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Project Manager

July 2, 2010

Mr. Dwayne Harrington (211MS211)
U.S. Environmental Protection Agency Region 2
Raritan Depot
2890 Woodbridge Avenue
Edison, NJ 08837-3679

**Subject: Draft Trip Report for the Riverside Avenue Site
Riverside Avenue, Newark, Essex County, New Jersey
EPA Contract No. EP-S7-06-01
TDD No. 0178
Document Tracking No. 1018**

Dear Mr. Harrington:

Tetra Tech EM Inc. (Tetra Tech) is submitting the draft trip report for the Riverside Avenue Site located at 29-47 Riverside Avenue in Newark, New Jersey. The trip report summarizes the sampling activities conducted at the site between June 7 and 17, 2010. If you have any questions regarding the draft report, please contact me at (610) 364-2119.

Sincerely,

A handwritten signature in black ink that reads 'K Scott'.

Kevin Scott
Project Manager

Enclosure

cc: TDD File

**DRAFT TRIP REPORT
RIVERSIDE AVENUE SITE
NEWARK, NJ**

Prepared for

U.S. Environmental Protection Agency Region 2
USEPA Facilities Raritan Depot
Woodbridge, NJ 08837-3679

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EPA Contract No. EP-S7-06-01

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July 2, 2010

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1.0 INTRODUCTION

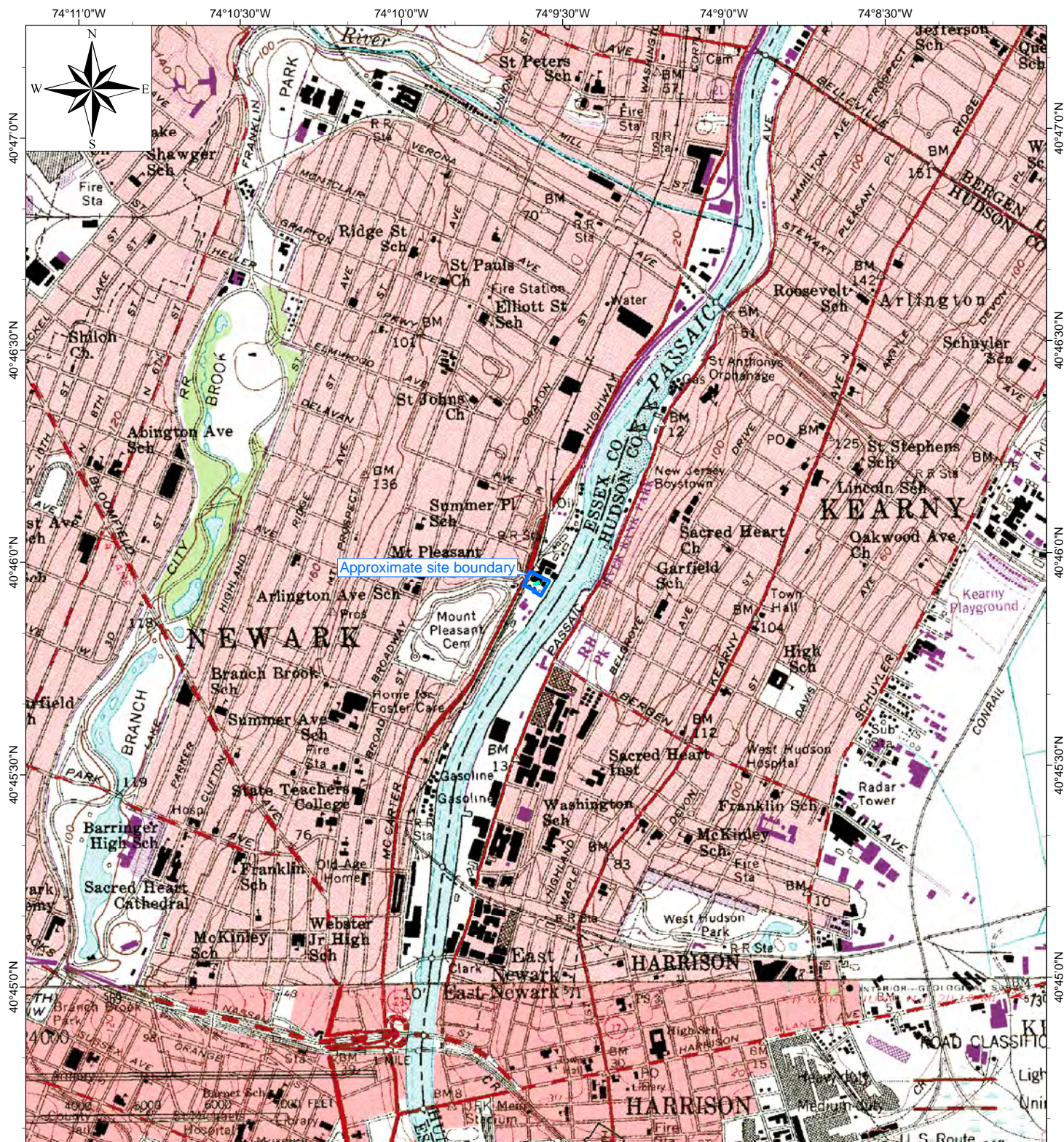
Under Eastern Area Superfund Technical Assessment and Response Team (START) Contract No. EP-S7-06-01, Technical Direction Document (TDD) No. 0178, U.S. Environmental Protection Agency (EPA) Region 2 tasked Tetra Tech EM Inc. (Tetra Tech) to conduct a site removal assessment at the Riverside Avenue Site located at Riverside Avenue, off of Route 21 in Newark, New Jersey. This trip report describes the sampling activities that were conducted to support the assessment. This trip report provides site background information in Section 2.0; presents the project objective in Section 3, the removal assessment activities in Section 4, and the analytical parameters in Section 5. All references cited in this plan are listed in Section 6.0. Appendix A provides a copy of the field logbook notes; Appendix B provides photographic documentation of site activities and the traffic reports and chain-of-custody reports are included in Appendix C.

2.0 BACKGROUND

This section describes the site location, presents a description and history of the property, and summarizes previous investigation activities conducted on and in the vicinity of the Riverside Avenue Site.

2.1 SITE LOCATION AND LAYOUT

The Riverside Avenue Site is located off of Route 21 in Newark, New Jersey, as shown in Figure 1, Site Location Map. The geographic coordinates for the approximate center of the site are 40.4556 degrees north latitude and 74.0935 degrees west longitude. The site is currently owned by the City of Newark, NJ and is located at 29-47 Riverside Avenue, in a former industrial area adjacent to the Passaic River. The approximately 1.48 acre site is bordered to the east by the Passaic River, to the west by the N/F Erie-Lackawanna Railroad and McCarter Highway, NJ Route 21, and to the north and south by private buildings. The site is currently not in use and has been inactive since approximately 1993. Two multi-floored structures, identified as Building #7 (three-story) and Building #12 (five-story) are currently located on the site. Building #7 is



Quadrangle Location = ■



New Jersey

29 Riverside Avenue
Newark, Essex County, New Jersey

Figure 1
Site Location Map

Project number 9004L100178
EPA Contract No. EP-S7-06-01

Map created on April 14, 2010
by D. Call, Tetra Tech EM Inc.



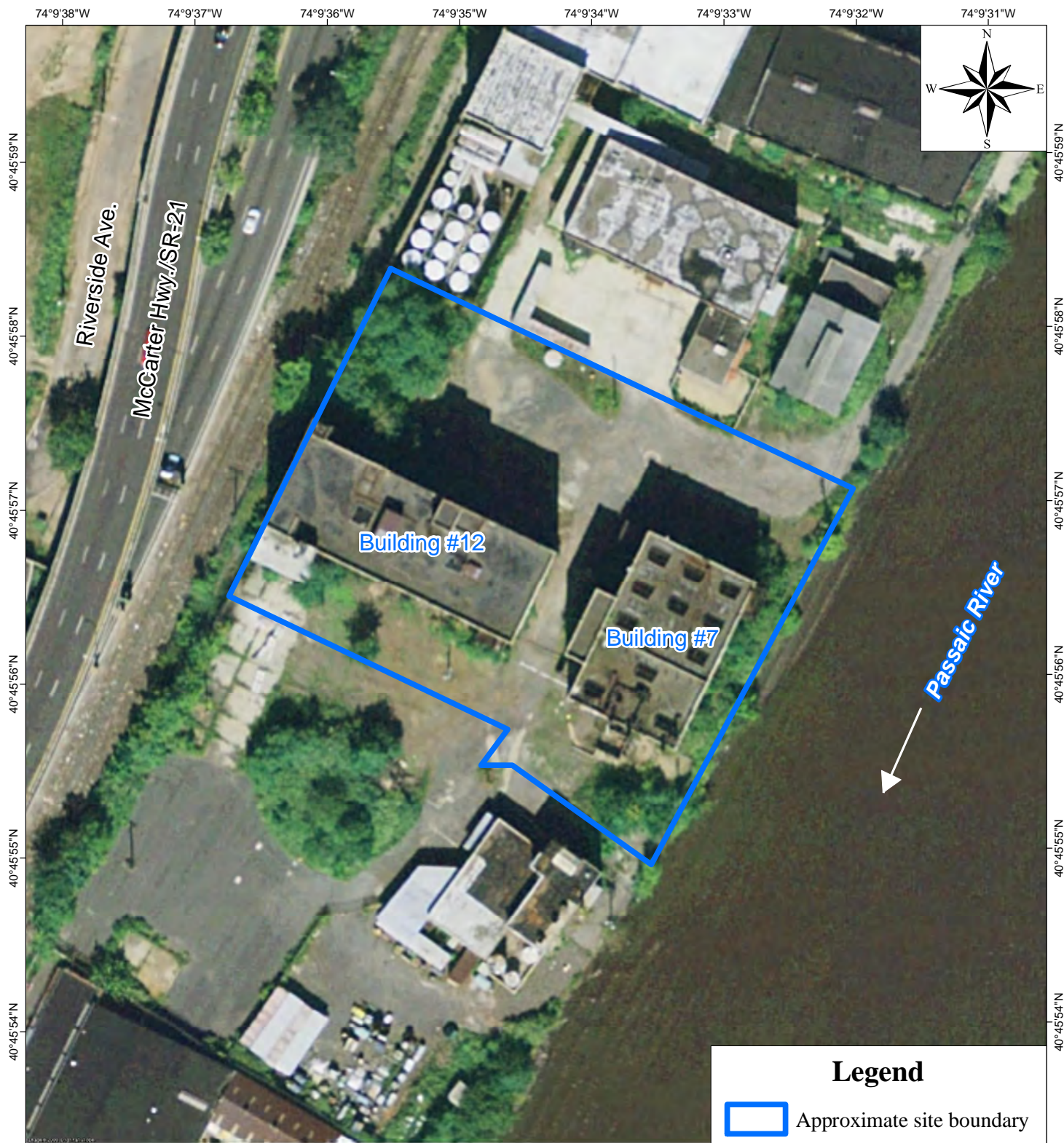
located in the southern portion of the site, adjacent to the Passaic River. A current aerial view of the site can be seen on Figure 2, Site Layout Map

2.2 SITE HISTORY

The site has been used for industrial activities since 1909. From 1909 through 1983, various operators utilized the property for the manufacture of paints and varnishes. From around 1931 through 1973, the property was a small part of a much larger facility owned and operated by Pittsburgh Paint & Glass Company. The property has been occupied by various operators from 1973 through 1993, when the current owner, the City of Newark obtained the property through foreclosure (Weston 2009).

2.3 PREVIOUS INVESTIGATIONS

In 2009, Weston Solutions was retained by the City of Newark Department of Economic Development and Housing to perform a preliminary assessment of the site. The preliminary assessment was completed to identify existing and/or potential areas of concern (AOC). Weston identified 11 AOCs during the preliminary assessment. After completion of the preliminary assessment, PMK Group, Inc. (Birdsall 2009) was retained by the Brick City Development Corporation to conduct an environmental site investigation (SI) for the property (Birdsall 2009). The SI was completed to address the conclusions and recommendations presented in the preliminary assessment report and to address issues regarding the planned redevelopment of the property, including the demolition of the two existing structures and site improvements including possibly the construction of a new facility. Given the site history, it was assumed that the SI would reveal environmental impacts above New Jersey Department of Environmental Protection (NJDEP) criteria; therefore, the SI strategy was to provide a “presence/absence” determination of environmental impacts expecting that an extensive remedial investigation would be required to delineate and define site conditions. Seven of these 11 AOCs identified in the preliminary assessment were investigated as part of the SI. The seven AOCs identified in the preliminary assessment and subsequently investigated in the SI are shown in Table 1 below.



Source: Modified from DigitalGlobe aerial photography, September 19, 2009.

Approximate Site Location = ■



New Jersey

29 Riverside Avenue
Newark, Essex County, New Jersey

Figure 2
Site Layout Map

Project number 9004L100178
EPA Contract No. EP-S7-06-01

Map created on June 25, 2010
by D. Call, Tetra Tech EM Inc.



TABLE 1
AREAS OF CONCERN SUMMARY

AOC Identifier	Description
AOC A-1	Above ground storage tanks and associated piping
AOC A-2	Underground storage tanks and associated piping
AOC A-3	Piping, above ground and below ground pumping stations, sumps and pits
AOC B-1	Storage pads; including drum and waste storage
AOC C-1	Floor drains, trenches and piping sumps
AOC D-1	Waste piles
AOC D-2	Open pipe discharges
AOC E-1	Electrical transformers and capacitors
AOC E-1A	Discolored or spill areas
AOC F-1	Loading or transfer areas
AOC G-1	Freight elevators

Notes: Shaded rows indicate AOCs that were investigated during SI.

AOC = Area of concern.

The SI field activities were completed between August and October 2009 and included a geophysical survey, collection of soil and groundwater samples and samples of basement water located within Building #7. The results of the geophysical survey indicated nine possible underground storage tanks (UST) located east of Building #12. Analytical results from soil samples collected from areas surrounding the identified AOCs indicated exceedances of NJDEP criteria for total petroleum hydrocarbons, volatile organic compounds (VOC), semivolatile organic compounds (SVOC), metals and polychlorinated biphenyls (PCBs). Two groundwater samples were collected from the site, one directly downgradient of AOC A-2 (location of USTs east of Building #12) and one collected west of Building #7, downgradient to AOC F-1 (the loading dock). Fingerprint analysis of the groundwater sample collected downgradient of AOC A-2 indicated the presence of mineral spirits and fuel oil No. 4. The groundwater sample collected downgradient of AOC F-1 indicated the presence of VOC, SVOC and metal exceedances of NJDEP groundwater quality criteria (GQC) for Class II-A aquifers. The basement water sampling results revealed VOCs, SVOCs, PCBs and metals exceeding the applicable NJDEP GQC for Class II-A aquifers.

PMK also investigated ten USTs identified east of Building #12. Nine of the tanks contained either liquid or sludge and one tank contained soil. Samples collected from the USTs were

analyzed for priority pollutants (PP +40). Results showed benzene (up to 169 micrograms per liter [ug/L]), ethylbenzene (up to 12,100 ug/L), toluene (up to 77,000 ug/L), total xylene (up to 25,700 ug/L), and 2-butanone (up to 17,000 ug/L).

On October 29, 2009, NJDEP responded to an oil spill that stretched for a ¼-mile in the Passaic River. The source of the spill was identified at low tide when a pipe leaking black, viscous oil was exposed. The pipe was traced back to two above ground storage tanks located on the site in the basement of Building #12. The tanks were connected directly to a sewer line that eventually discharged into the Passaic River. NJDEP requested assistance from EPA to respond to the spill. The EPA Emergency and Rapid Response (ERRS) contractor secured the tanks and sewer line in the basement of Building #12 to prevent further discharge. Field screening results indicated that the oil was No. 4 heating oil. An estimated 500 gallons of No. 4 heating oil was spilled into the Passaic River during this incident.

Tetra Tech performed a site visit at the Riverside Avenue Site on April 7, 2010. Tetra Tech was accompanied by Dwayne Harrington, EPA Federal On-Scene Coordinator (OSC). The purpose of the visit was to document current site conditions and identify potential sampling areas. The visit confirmed the existence of several AOCs located within Buildings # 7 and #12 that were identified in the preliminary assessment. Most of the areas within the two buildings were accessible; however, some of the stairwells within the buildings were in various states of disrepair and neglect and were deemed inaccessible. These areas were avoided, pending assessors' ability to obtain alternative, safe means of mechanical access for any future assessments.

3.0 OBJECTIVE

The objective of this sampling event was to determine if hazardous substances are present in the following areas: (1) storage or process tanks located on the second and third floors of Building # 7; (2) drums found on the site; (3) waters and possibly residual solids that have collected in the basements of both Building #7 and Building # 12; (4) dry red and blue-colored pigment materials found on the fourth and fifth floors of Building #12 and; (5) pipe insulation observed in the on-site buildings. To address this objective, Tetra Tech collected samples from the following areas:

(1) storage tanks, drums, carboys, and 5-gallon containers that contained product or waste; (2) water and sediment/sludge from the subbasement and basement of Building #7 and Building #12; (3) pigment material on the floor in Building #12, and (4) pipe insulation observed inside or outside both buildings. Additionally, Tetra Tech collected a composite sample of the tar/resin-like material that was observed leaching from the bank of the Passaic River and at the base of the north wall of Building #7 as well as a composite sample of the tar/resin-like material that was observed in the process lines and piping associated with the storage and process tanks. The determination to collect the tar/resin-like samples was made by the OSCs during the removal assessment activities and these samples were not in the original draft Sampling and Analysis Plan (SAP) submitted by Tetra Tech.

4.0 REMOVAL ASSESSMENT ACTIVITIES

This section describes the scope of work; methods and procedures for sample collection, sample handling, and delivery to the approved laboratory; and equipment decontamination procedures.

4.1 SCOPE OF WORK

Tetra Tech completed the following tasks during this removal assessment:

- Inventoried and collected liquid and/or residual solid samples from tanks located on the second and third floors of Building #7.
- Collected aqueous and residual solid samples from the basements of Buildings #7 and 12 where pooled water has accumulated.
- Inventoried and sampled drums and containers located on site.
- Collected samples of the red and blue-colored dry pigment materials located on the floor of Building #12.
- Obtained 12 bulk asbestos samples from the pipe insulation located inside and outside of site buildings.
- Collected a sample of the tar/resin-like materials leaching from the west bank of the Passaic River.
- Submitted trip and field blanks for quality assurance (QA) and quality control (QC) purposes.

- Photo documented sampling activities and sampling locations.
- Packaged and shipped samples to laboratories procured through the EPA contract laboratory program (CLP) for target compound list (TCL) and Toxicity Characteristics Leaching Procedure (TCLP) VOCs, SVOCs, pesticides, and PCBs and target analyte list (TAL) and TCLP metals and cyanide.

4.2 MEDIA SAMPLE COLLECTION PROCEDURES

This section describes the general procedures that were implemented during the collection of the tank, drum, basement water and sediment, and asbestos samples discussed in this report. The field work was implemented in accordance with the requirements of a site-specific health and safety plan (HASP) prepared to comply with the requirements of Code of Federal Regulations (CFR) 1910.120 and the Tetra Tech draft sampling and analysis plan (SAP) for the site (Tetra Tech 2010). Tetra Tech documented site activities in accordance with Tetra Tech Standard Operating Procedure (SOP) No. 024, "Recording of Notes in Field Logbook" (Tetra Tech 2008a). A copy of field log book notes is provided in Appendix A. Photographs taken during the field activities are provided in Appendix B.

4.2.1 Storage/Process Tank Inventory and Sampling Procedures

Prior to sampling, Tetra Tech inspected each storage/process tank to determine if liquid or sludge was present in the tank and then numbered each tank and recorded this information on a field data sheet. This information is provided in Table 2. Scaffolding was rented from a local vendor and erected next to the tanks to facilitate the inspection and sample collection activities. After inspecting the tanks, Tetra Tech determined that fewer samples than originally proposed in the SAP were necessary to adequately assess the contents of the tanks. Tetra Tech also determined that the proposed field hazard characterization testing on these samples was not necessary.

Liquid and sludge inside the storage/process tanks located on the third floor of Building #7 was collected by tying a string to a dedicated sample collection container and lowering the container into the tank being sampled. Initial attempts to collect samples from the tanks using a Sludge Judge® and a fabricated dipper proved unsuccessful. Samples collected from the

TABLE 2
DRUM AND CONTAINER INVENTORY SUMMARY

Container	Type	Top	Condition	% Container Full	Physical State	Bldg #	Floor #	Room	Sample Collected	Sample ID
5-GAL	metal	spout	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17H	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
30-GAL	Steel 17H	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
30-GAL	Steel 17H	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17H	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17E	Bung	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17H	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17H	Bolt ring	Fair	95%	Solid	12	1	west	Yes	B12-DS-01
55-GAL	Steel 17H	Bolt ring	Fair	95%	Solid	12	1	west	Yes	B12-DS-02
5-GAL	metal	spout	Poor	40%	Liquid	12	1	west	Yes	B12-PS-01
55-GAL	Steel 17E	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17E	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17E	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17E	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
5-GAL	metal	spout	Fair	Empty	NA	12	1	west	No	NA
5-GAL	metal	spout	Fair	Empty	NA	12	1	west	No	NA
30-GAL	Poly	Latch ring	Poor	65%	Solid	7	2	North	Yes	B7-CS-03
55-GAL	Steel 17H	Bolt ring	Poor	Empty	NA	7	1	North	No	NA
55-GAL	Steel 17H	Bolt ring	Poor	Empty	NA	7	1	North	No	NA
55-GAL	Steel 17H	Bolt ring	Poor	Empty	NA	7	1	North	No	NA
55-GAL	Steel 17H	Bolt ring	Poor	Empty	NA	7	1	North	No	NA
55-GAL	Steel 17H	Bolt ring	Poor	Empty	NA	7	1	South	No	NA
55-GAL	Steel 17H	Bolt ring	Poor	Empty	NA	7	1	Stairwell	No	NA
55-GAL	Steel 17H	Bolt ring	Poor	50%	Sludge	7	1	North	Yes	B7-DS-02
55-GAL	Steel 17H	Bolt ring	Poor	50%	Solid	7	1	South	Yes	B7-DS-01
5-GAL	Poly	spout	Fair	40%	Liquid	7	1	Stairwell	Yes	B7-CS-02
5-GAL	Fiber	Latch ring	Poor	70%	Solid	7	1	Stairwell	Yes	B7-PS-03
5-GAL	metal	spout	Poor	Empty	NA	7	1	Stairwell	No	NA
5-GAL	Poly	lid	Poor	40%	Liquid	7	1	Freight Elevator	Yes	B7-PS-01

TABLE 2
DRUM AND CONTAINER INVENTORY SUMMARY

Container	Type	Top	Condition	% Container Full	Physical State	Bldg #	Floor #	Room	Sample Collected	Sample ID
5-GAL	Poly	spout	Fair	55%	Liquid	7	1	North	Yes	B7-PS-02
5-GAL	metal	spout	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17H	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
30-GAL	Steel 17H	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
30-GAL	Steel 17H	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17H	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17E	Bung	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17H	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17H	Bolt ring	Fair	95%	Solid	12	1	west	Yes	B12-DS-01
55-GAL	Steel 17H	Bolt ring	Fair	95%	Solid	12	1	west	Yes	B12-DS-02
5-GAL	metal	spout	Poor	40%	Liquid	12	1	west	Yes	B12-PS-01
55-GAL	Steel 17E	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17E	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17E	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
55-GAL	Steel 17E	Bolt ring	Fair	Empty	NA	12	1	west	No	NA
5-GAL	metal	spout	Fair	Empty	NA	12	1	west	No	NA
5-GAL	metal	spout	Fair	Empty	NA	12	1	west	No	NA
30-GAL	Poly	Latch ring	Poor	65%	Solid	7	2	North	Yes	B7-CS-03
55-GAL	Steel 17H	Bolt ring	Poor	Empty	NA	7	1	North	No	NA

Notes: B7 = Building #7
B12 = Building #12
CS = Container sample
DS = Drum sample
Gal = gallon
NA = Not applicable
PS = pail sample
17-H = open top drum
17-E = closed top drum

storage/process tanks were then transferred into clean sample jars and labeled as detailed in the site-specific SAP.

4.2.2 Drum, Carboy, and Container Inventory and Sampling Procedures

Prior to sampling, Tetra Tech inspected each drum, carboy, and 5 gallon plastic or metal container to determine if liquid, sludge, or solid waste was present in the container and then numbered each waste containing container according the sample identification format specified in the draft SAP. This information was recorded on a field data sheet and is presented in Table 3. After completing the inspection, Tetra Tech personnel determined that fewer samples would need to be collected from the drums, carboys, and containers than previously anticipated and that the need to consolidate samples as well as perform field hazard characterization testing on these samples was not necessary. Liquid, sludge, or solid wastes present in the drums and containers were collected using dedicated drum thieves, coliwasa samplers, or plastic scoops, depending on the matrix and consistency of the material in the container. Drum and container samples were collected in accordance with Tetra Tech SOP No. 008, “Containerized Liquid, Sludge, or Slurry Sampling.” (Tetra Tech 2000a). At each of the sampling locations, Tetra Tech filled two certified-clean, 4-ounce clear wide-mouth (CWM) glass jars with Teflon lined septa lids for TCL and TCLP VOCs and six certified-clean 8-ounce CWM glass jars with Teflon lined lids for TAL Total metals and cyanide, Aroclors, TCLP SVOC, TCLP metals, TCLP pesticides and herbicides, and ignitibility and corrosivity analyses.

4.2.3 Buildings # 7 and # 12 Basement Sampling Procedures

Tetra Tech collected aqueous samples of the pooled water in the subbasement and basement of Buildings #7 and #12, respectively. Tetra Tech collected the aqueous sample in the basement of Building #12 by submerging the bottleware below the surface of the water in accordance with SOP No. 009, “Surface Water Sampling” (Tetra Tech 2009a). Tetra Tech collected the aqueous sample in the subbasement of Building #7 using a Sludge Judge® and then transferred the sample into the appropriate sample bottleware. Tetra Tech also collected sediment samples at each of the same locations where aqueous samples were collected. Sediment samples were collected in accordance with Tetra Tech SOP No. 006 “Sludge and Sediment Sampling” (Tetra Tech 2000b). Initial attempts to collect sediment samples from the subbasement of Building #7

TABLE 3
STORAGE/PROCESS TANK INVENTORY SUMMARY

Tank Number	Partitioned (Y/N)	Floor (2 or 3)	Room (N or S)	Tank Type (rectangular/Conical)	Heigh t (ft.)	Lengt h (ft.)	Widt h (ft.)	Radiu s (ft.)	tank capacity (cubic ft)	tank capacity (gallons)	Partitioned Tanks		Product level in tank (inches)	est. product volume (gallons)
											est. tank capacity of each partition (cubic ft)	est. tank capacity in each partition (gallons)		
1	No	3	North	Rectangular	8	6	4.5	NA	216	1616			2	
2	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	2	
3	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	2	
4	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	2	
5	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
6	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
7	No	3	North	Rectangular	10.5	6	4	NA	252	1885			Empty	
8	No	3	North	Rectangular	10.5	6	4	NA	252	1885			Empty	
9	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
10	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
11	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
12	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
13	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
14	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	12"-20"	100
15	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
16	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
17	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
18	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	2"	
19	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
20	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
21	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
22	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
23	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
24	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
25	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
26	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
27	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
28	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
29	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
30	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
31	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
32	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
33	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
34	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
35	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
36	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
37	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
38	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
39	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	

TABLE 3
STORAGE/PROCESS TANK INVENTORY SUMMARY

Tank Number	Partitioned (Y/N)	Floor (2 or 3)	Room (N or S)	Tank Type (rectangular/Conical)	Height (ft.)	Length (ft.)	Width (ft.)	Radius (ft.)	tank capacity (cubic ft)	tank capacity (gallons)	Partitioned Tanks		Product level in tank (inches)	est. product volume (gallons)
											est. tank capacity of each partition (cubic ft)	est. tank capacity in each partition (gallons)		
40	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
41	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
42	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
43	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
44	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
45	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
46	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
47	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
48	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
49	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
50	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
51	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	12	
52	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	36	350 (A) / 270 (B)
53	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
54	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
55	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
56	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
57	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
58	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
59	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
60	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
61	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
62	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
63	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
64	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
65	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
66	Yes	3	North	Rectangular	10.5	6	4	NA	252	1885	126	943	Empty	
67	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
68	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
69	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
70	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
71	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
72	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
73	No	3	North	Rectangular	10.5	6	4.5	NA	284	2121			Empty	
1	No	3	South	Conical	7	NA	NA	3.25	232	1738			Empty	
2	No	3	South	Conical	7	NA	NA	3.25	232	1738			Empty	
3	No	3	South	Conical	7	NA	NA	2	88	658			Empty	
4	No	3	South	Conical	4	NA	NA	2.5	79	588			Empty	

TABLE 3
STORAGE/PROCESS TANK INVENTORY SUMMARY

											Partitioned Tanks			
Tank Number	Partitioned (Y/N)	Floor (2 or 3)	Room (N or S)	Tank Type (rectangular/Conical)	Height (ft.)	Length (ft.)	Width (ft.)	Radius (ft.)	tank capacity (cubic ft)	tank capacity (gallons)	est. tank capacity of each partition (cubic ft)	est. tank capacity in each partition (gallons)	Product level in tank (inches)	est. product volume (gallons)
5	No	3	South	Conical	4	NA	NA	2.5	79	588			12	150
6	No	3	South	Conical	7	NA	NA	2	88	658			Empty	
7	No	3	South	Conical	7	NA	NA	3.25	232	1738			Empty	
8	No	3	South	Conical	7	NA	NA	3.25	232	1738			Empty	
9	No	3	South	Rectangular	8	6	4.5	NA	216	1616			6" - 12"	200
10	No	3	South	Rectangular	8	6	4.5	NA	216	1616			6" - 12"	200
11	No	3	South	Rectangular	6.5	7	4.5	NA	205	1532			tarp/fabric	
12	No	3	South	Conical	7	NA	NA	3.25	232	1738			Empty	
13	No	3	South	Conical	7	NA	NA	2	88	658			Empty	
14	No	3	South	Conical	4	NA	NA	2.5	79	588			Empty	
15	No	3	South	Conical	4	NA	NA	2.5	79	588			Empty	
16	No	3	South	Conical	7	NA	NA	2	88	658			Empty	
17	No	3	South	Rectangular	7.5	8	4.5	NA	270	2020			3/4 full	1500
18	No	3	South	Rectangular	7.5	8	4.5	NA	270	2020			Full	2000
19	No	3	South	Rectangular	7.5	8	4.5	NA	270	2020			Full	2000
20	No	3	South	Rectangular	7.5	8	4.5	NA	270	2020			Empty	
1	No	2	South	Rectangular	8	8.5	7	NA	476	3561			Empty	
2	No	2	South	Rectangular	8	8.5	7	NA	476	3561			Empty	
3	No	2	South	Rectangular	8	8.5	7	NA	476	3561			Empty	
4	No	2	South	Rectangular	8	8.5	7	NA	476	3561			Empty	
5	No	2	South	Rectangular	8	8.5	7	NA	476	3561			Empty	
6	No	2	South	Rectangular	8	6	4	NA	192	1436			Empty	
7	No	2	South	Rectangular	8	6	4	NA	192	1436			Empty	
8	No	2	South	Rectangular	8	6	4	NA	192	1436			Empty	
9	No	2	South	Rectangular	8	6	4	NA	192	1436			Empty	
10	No	2	South	Rectangular	8	6	4	NA	192	1436			Empty	

using a Sludge Judge® proved unsuccessful, so Tetra Tech personnel fabricated a dipper using an aluminum pole and dedicated sample collection container to obtain the samples. Samples collected from the basement sump in Building #12 and subbasement of Building #7 were then transferred into clean sample jars and labeled according to the draft SAP.

4.2.4 Sampling of Red and Blue-Colored Pigments Located in Building #12

Tetra Tech collected samples of the red and blue-colored pigments observed on the floors of Building #12. Approximately ½ inch of dry pigment material had accumulated immediately beneath the openings of two funnel tanks that protruded from the ceiling of the fourth floor of Building #12. The samples were collected using dedicated, disposal plastic scoops. Pigment material was scraped into a pile with the plastic scoop and then scooped and transferred directly into the appropriate sample containers. The pigment material was mixed with debris and what appeared to be bird droppings and a pure sample of the pigment material could not be obtained. Nearly all of the blue and red pigment that was present was placed into sample containers and only residue remained at the site after sample collection.

4.2.5 Asbestos-Form and Potential Asbestos Containing Material Sampling

Tetra Tech collected samples of pipe insulation contained in both Buildings # 7 and # 12. Tetra Tech collected bulk samples through a glove bag, in accordance with Code of Federal Regulations Title 40, Part 763.86 “Asbestos Sampling” (EPA 1987). The sample points on the insulation were wetted with amended water and a section no greater than 3 square inches was removed from the sample point and placed in resealable plastic bags. The samples were removed from the glove bag by placing it in the glove, pulling the glove inside out, taping the glove and cutting it away from the glove bag with scissors. The glove bag was wrapped and secured to the pipe with tape around the sampling point. Disposable sampling equipment was utilized at each sampling point in order to minimize the spread of asbestos fibers and cross-contamination.

4.3 SAMPLING SUMMARY

This section describes the quantities and analyses of samples collected from the tanks, drums, basement water and sediment, and asbestos discussed in Section 4.2 above.

4.3.1 Storage/Process Tank Inventory and Sampling

Tetra Tech collected a total of 10 samples from the tanks of the third floor of Building #7, including one duplicate sample. Tetra Tech also collected one sample from the tank No. 9 on the second floor of Building #7 and a composite sample of the resin-like material that was present in the tank process lines and pipes. A sampling summary is presented in Table 4. Photographs of the tanks and Tetra Tech sampling activities are provided in the Appendix B. Figures 3 and 4 show the locations of the tank samples on the third and second floor, respectively. At each of the sampling locations, Tetra Tech filled two certified-clean, 4-ounce CWM glass jars with Teflon lined septa lids for TCL VOC and TCLP VOCs and six certified-clean 8-ounce CWM glass jars with Teflon lined lids for Total TAL metals and cyanide, Aroclors, TCLP SVOC, TCLP metals, TCLP pesticides and herbicides, and ignitibility and corrosivity analyses.

TABLE 4
SAMPLE SUMMARY

Sample ID	Lab ID	Matrix	Sample Date	Sample Time	Analysis Name	Laboratory	Date Shipped	Sample Type	Comments				
									Container type	Bldg. #	Floor	Location	
Riverbank-1	B0041	Solid	6/9/2010	2:00:00 PM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	NA	NA	NA		
					PCBs (aroclors)								
					TCLP Volatiles, Semivolatiles, Pesticides and Herbicides								
	MB0041				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010						
					TCLP Metals								
RAS-TB-01	B0033	Water	6/9/2010	8:07:00 AM	CLP TCL Volatiles	A4 Scientific	6/10/2010	QC sample - trip blank					
RAS-FB-01	B0031	Water	6/9/2010	8:12:00 AM	CLP TCL Volatiles	A4 Scientific	6/10/2010	QC sample - field blank					
					CLP TCL Semivolatiles and Pesticides/PCBs								
	B0030 [†]	Waste	6/8/2010	11:15:00 AM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	indoor AST	7	3	N	
					PCBs (aroclors)								
					TCLP Volatiles, Semivolatiles, Pesticides and Herbicides								
	MB0030				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010						
	B7-TM-53B				B7-TM-53B	Corrosivity (pH)	EMSL						6/14/2010
						Ignitability							
	B0029 [†]	Waste	6/8/2010	11:00:00 AM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	indoor AST	7	3	N	
					PCBs (aroclors)								
					TCLP Volatiles, Semivolatiles, Pesticides and Herbicides								
	MB0029				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010						
	B7-TM-53A				B7-TM-53A	Corrosivity (pH)	EMSL						6/14/2010
						Ignitability							
	B0025 [†]	Waste	6/8/2010	12:45:00 PM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	indoor AST	7	3	S	
					PCBs (aroclors)								
					TCLP Volatiles, Semivolatiles, Pesticides and Herbicides								
	MB0025				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010						
	B7-TM-19				B7-TM-19	Corrosivity (pH)	EMSL						6/14/2010
						Ignitability							
	B0024 [†]	Waste	6/8/2010	12:30:00 PM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	indoor AST	7	3	S	
					PCBs(AROCLORS)								
					TCLP Volatiles, Semivolatiles, Pesticides and Herbicides								
	MB0024				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010						
	B7-TM-18				B7-TM-18	Corrosivity (pH)	EMSL						6/14/2010
						Ignitability							
	B0023 [†]	Waste	6/8/2010	12:15:00 PM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	indoor AST	7	3	S	
					PCBs(AROCLORS)								
					TCLP Volatiles, Semivolatiles, Pesticides and Herbicides								
	MB0023				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010						
	B7-TM-17				B7-TM-17	TCLP Metals	EMSL						6/14/2010
						Corrosivity (pH), ignitability							

TABLE 4
SAMPLE SUMMARY

Sample ID	Lab ID	Matrix	Sample Date	Sample Time	Analysis Name	Laboratory	Date Shipped	Sample Type	Comments				
									Container type	Bldg. #	Floor	Location	
B7-TM-14B	B0022	Waste	6/8/2010	10:05:00 AM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	indoor AST	7	3	N	
					PCBs (aroclors)								
	TCLP Volatiles, Semivolatiles, Pesticides and Herbicides				Bonner Analytical Testing Company	6/11/2010							
	CLP TAL Total Metals and Cyanide												
	MB0022				B7-TM-14B	Corrosivity (pH)	EMSL						6/14/2010
						Ignitability							
B7-TM-14A	B0021	Waste	6/8/2010	9:50:00 AM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	indoor AST	7	3	N	
					PCBs (aroclors)								
	TCLP Volatiles, Semivolatiles, Pesticides and Herbicides				Bonner Analytical Testing Company	6/11/2010							
	CLP TAL Total Metals and Cyanide												
	MB0021				B7-TM-14A	Corrosivity (pH)	EMSL						6/14/2010
						Ignitability							
B7-TM-10	B0020	Waste	6/8/2010	1:30:00 PM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Dupl. of B7-TM-09	indoor AST	7	3	S	
					PCBs (aroclors)								
	TCLP Volatiles, Semivolatiles, Pesticides and Herbicides				Bonner Analytical Testing Company	6/11/2010							
	CLP TAL Total Metals and Cyanide												
	MB0020				B7-TM-10	Corrosivity (pH)	EMSL						6/14/2010
						Ignitability							
B7-TM-09-2S	B0019	Waste	6/8/2010	2:30:00 PM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	indoor AST	7	2	S	
					PCBs (aroclors)								
	TCLP Volatiles, Semivolatiles, Pesticides and Herbicides				Bonner Analytical Testing Company	6/11/2010							
	CLP TAL Total Metals and Cyanide												
	MB0019				B7-TM-09-2S	Corrosivity (pH)	EMSL						6/14/2010
						Ignitability							
B7-TM-09	B0018	Waste	6/8/2010	1:34:00 PM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Dupl. of B7-TM-10	indoor AST	7	3	S	
					PCBs (aroclors)								
	TCLP Volatiles, Semivolatiles, Pesticides and Herbicides				Bonner Analytical Testing Company	6/11/2010							
	CLP TAL Total Metals and Cyanide												
	MB0018				B7-TM-09	Corrosivity (pH)	EMSL						6/14/2010
						Ignitability							
B7-TM-05	B0017 †	Waste	6/8/2010	1:15:00 PM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	indoor AST	7	3	S	
					PCBs (aroclors)								
	TCLP Volatiles, Semivolatiles, Pesticides and Herbicides				Bonner Analytical Testing Company	6/11/2010							
	CLP TAL Total Metals and Cyanide												
	MB0017				B7-TM-05	Corrosivity (pH)	EMSL						6/14/2010
						Ignitability							

TABLE 4
SAMPLE SUMMARY

Sample ID	Lab ID	Matrix	Sample Date	Sample Time	Analysis Name	Laboratory	Date Shipped	Sample Type	Comments			
									Container type	Bldg. #	Floor	Location
B7-TAR-01	B0016	Waste	6/8/2010	2:45:00 PM	CLP TCL Volatiles CLP TCL Semivolatiles and Pesticides/PCBs	A4 Scientific	6/10/2010	Field Sample	NA	7	1	N
B7-SED-04	B0015	Sediment/Sludge	6/8/2010	12:30:00 PM	CLP TCL Semivolatiles and Pesticide CLP TCL Volatiles PCBs (aroclors)	A4 Scientific	6/10/2010	Field Sample	basement sediment	7	1	S
	MB0015				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010					
					CLP TCL Semivolatiles and Pesticides CLP TCL Volatiles PCBs (aroclors)	A4 Scientific	6/10/2010					
B7-SED-03	B0014	Sediment/Sludge	6/8/2010	11:50:00 AM	CLP TAL Total Metals and Cyanide Corrosivity (pH) Ignitability	Bonner Analytical Testing Company	6/11/2010	Dup of B7-SED-02	basement sediment	7	1	S
	MB0014				CLP TCL Semivolatiles and Pesticides CLP TCL Volatiles PCBs (aroclors)	A4 Scientific	6/10/2010					
	B7-SED-03				CLP TAL Total Metals and Cyanide Corrosivity (pH) Ignitability	Bonner Analytical Testing Company	6/11/2010					
B7-SED-02	B0013	Sediment/Sludge	6/8/2010	11:45:00 AM	CLP TCL Semivolatiles and Pesticides CLP TCL Volatiles PCBs (aroclors)	A4 Scientific	6/10/2010	Dup of B7-SED-03	basement sediment	7	1	S
	MB0013				CLP TAL Total Metals and Cyanide Corrosivity (pH) Ignitability	Bonner Analytical Testing Company	6/11/2010					
	B7-SED-02				CLP TCL Semivolatiles and Pesticides CLP TCL Volatiles PCBs (aroclors)	A4 Scientific	6/10/2010					
B7-PS-03	B0042	Waste	6/9/2010	11:54:00 AM	CLP TCL Volatiles PCBs (aroclors) TCLP Volatiles, Semivolatiles, Pesticides and Herbicides	A4 Scientific	6/10/2010	Field Sample	5-gallon cardboard container	7	1	stairwell
	MB0042				CLP TAL Total Metals and Cyanide TCLP Metals Corrosivity (pH) Ignitability	Bonner Analytical Testing Company	6/11/2010					
	B7-PS-03				CLP TCL Volatiles PCBs (aroclors) TCLP Volatiles, Semivolatiles, Pesticides and Herbicides	A4 Scientific	6/10/2010					
B7-PS-02	B0036 †	Waste	6/9/2010	10:33:00 AM	CLP TAL Total Metals and Cyanide TCLP Metals Corrosivity (pH) Ignitability	Bonner Analytical Testing Company	6/11/2010	Field Sample	5-gallon plastic container	7	1	N
	MB0036				CLP TCL Volatiles PCBs (aroclors) TCLP Volatiles, Semivolatiles, Pesticides and Herbicides	A4 Scientific	6/10/2010					
	B7-PS-02				CLP TAL Total Metals and Cyanide TCLP Metals Corrosivity (pH) Ignitability	Bonner Analytical Testing Company	6/11/2010					
B7-PS-01	B0037 †	Waste	6/9/2010	11:04:00 AM	CLP TAL Total Metals and Cyanide TCLP Metals Corrosivity (pH) Ignitability	Bonner Analytical Testing Company	6/11/2010	Field Sample	5-gallon plastic container	7	1	Frt. Elev.
	MB0037				CLP TCL Volatiles PCBs (aroclors) TCLP Volatiles, Semivolatiles, Pesticides and Herbicides	A4 Scientific	6/10/2010					
	B7-PS-01				CLP TAL Total Metals and Cyanide TCLP Metals Corrosivity (pH) Ignitability	Bonner Analytical Testing Company	6/11/2010					

TABLE 4
SAMPLE SUMMARY

Sample ID	Lab ID	Matrix	Sample Date	Sample Time	Analysis Name	Laboratory	Date Shipped	Sample Type	Comments				
									Container type	Bldg. #	Floor	Location	
B7-P-01	B0044	Waste	6/9/2010	3:15:00 PM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	pipe composite	7			
					TCLP Volatiles, Semivolatiles, Pesticides and Herbicides								
					PCBs (aroclors)								
	MB0044				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010						
					TCLP Metals								
					Corrosivity (pH)								
B7-P-01	B7-P-01	Ignitability	EMSL	6/14/2010									
B7-DS-02	B0040	Waste	6/9/2010	2:09:00 PM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	Drum	7	1	N	
					PCBs (aroclors)								
					TCLP Volatiles, Semivolatiles, Pesticides and Herbicides								
	MB0040				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010						
					TCLP Metals								
B7-DS-01	B0035	Waste	6/9/2010	9:40:00 AM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	Drum	7	1	S	
					PCBs (aroclors)								
					TCLP Volatiles, Semivolatiles, Pesticides and Herbicides								
	MB0035				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010						
					TCLP Metals								
					Corrosivity (pH)								
B7-DS-01	B7-DS-01	Ignitability	EMSL	6/14/2010									
B7-CS-03	B0034	Waste	6/9/2010	9:56:00 AM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	30-gallon carboy drum (open top)	7	2	N	
					PCBs (aroclors)								
					TCLP Volatiles, Semivolatiles, Pesticides and Herbicides								
	MB0034				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010						
					TCLP Metals								
					Corrosivity (pH)								
B7-CS-03	B7-CS-03	Ignitability	EMSL	6/14/2010									
B7-CS-02	B0043	Waste	6/9/2010	11:27:00 AM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	5-gallon plastic container	7	1	stairwell	
					PCBs (aroclors)								
					TCLP Volatiles, Semivolatiles, Pesticides and Herbicides								
	MB0043 ††				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010						
					TCLP Metals								
	B7-CS-02				B7-CS-02	Corrosivity (pH)	EMSL						6/14/2010
						Ignitability							
MB0045	6/17/2010	10:00:00 AM	TCLP Metals and Hg	Bonner Analytical Testing Company	6/17/2010								
B7-BW-03	B0012	Surface Water	6/8/2010	11:20:00 AM	CLP TCL Semivolatiles and Pesticides/PCBs	A4 Scientific	6/10/2010	Dupl. of B7-BW-01	basement water	7	1	sub-basement	
B7-BW-02	B0010	Surface Water	6/8/2010	12:15:00 PM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	basement water	7	1	sub-basement	
					CLP TCL Semivolatiles and Pesticides/PCBs								

TABLE 4
SAMPLE SUMMARY

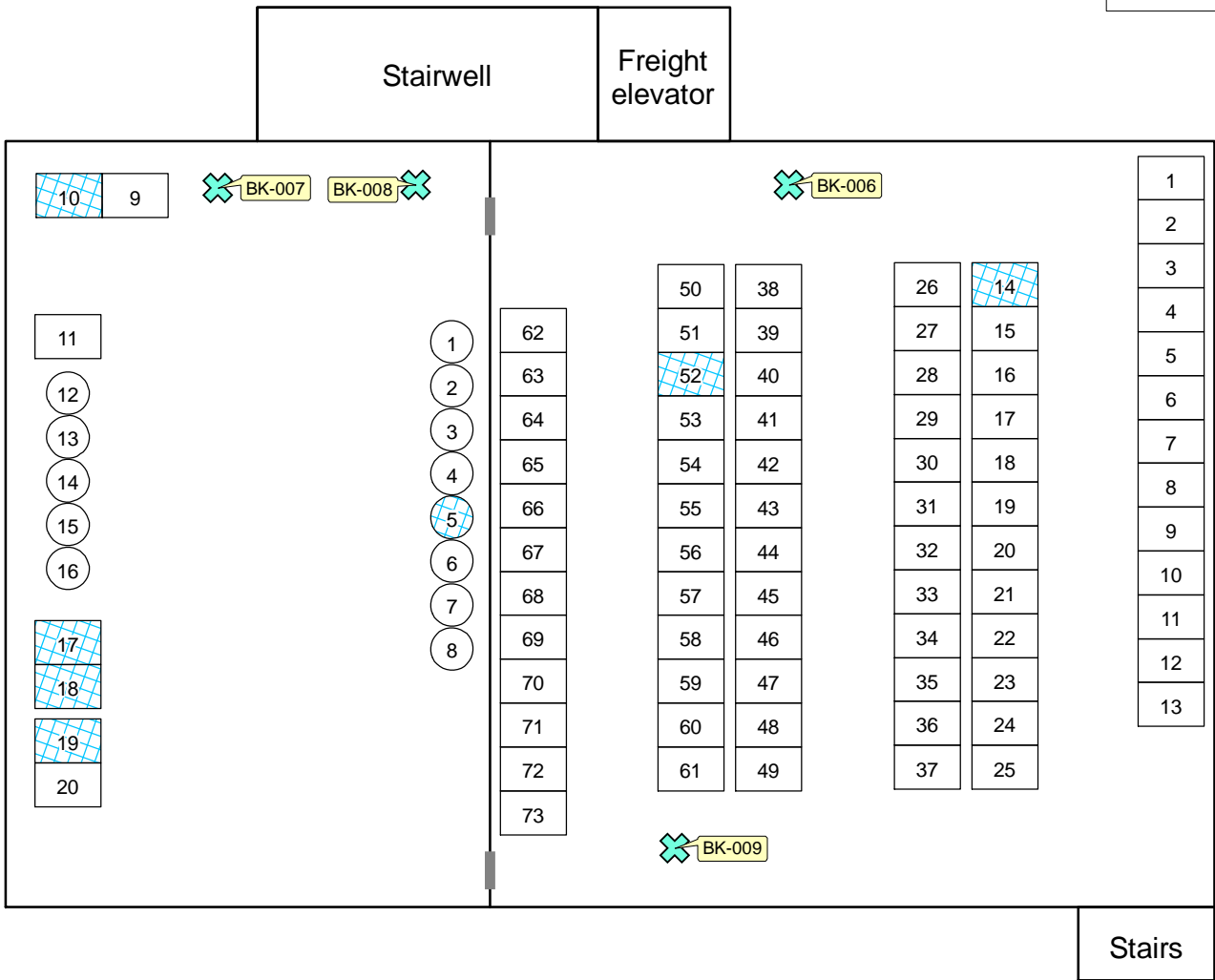
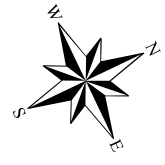
Sample ID	Lab ID	Matrix	Sample Date	Sample Time	Analysis Name	Laboratory	Date Shipped	Sample Type	Comments			
									Container type	Bldg. #	Floor	Location
B7-BW-01	B0003	Surface Water	6/8/2010	11:15:00 AM	CLP TCL Semivolatiles and Pesticides/PCBs	A4 Scientific	6/10/2010	Dupl. of B7-BW-03	basement water	7	1	sub-basement
					CLP TCL Volatiles							
B12-SED-01	B0009	Sediment	6/8/2010	9:45:00 AM	CLP TCL Semivolatiles and Pesticides/PCBs	A4 Scientific	6/10/2010	Field Sample	basement sediment	12	B	
					CLP TCL Volatiles							
					PCBs (aroclors)							
	MB0009				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010					
B12-PS-01	B0007 †	Oil(High only)	6/8/2010	9:20:00 AM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	5-gallon metal can	12	1	
					PCBs (aroclors)							
					TCLP Volatiles, Semivolatiles, Pesticides and Herbicides							
	MB0007				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010					
					TCLP Metals							
					Corrosivity (pH)							
B12-PS-01	B12-PS-01	Oil(High only)	6/8/2010	9:20:00 AM	Ignitability	EMSL	6/14/2010	Field Sample	5-gallon metal can	12	1	
B12-PM-02	B0006	Waste	6/8/2010	10:10:00 AM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	pigment material	12	4	
					CLP TCL Semivolatiles and Pesticides/PCBs							
	MB0006				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010					
					Corrosivity (pH)							
B12-PM-02	B12-PM-02	Waste	6/8/2010	10:10:00 AM	Ignitability	EMSL	6/14/2010	Field Sample	pigment material	12	4	
B12-PM-01	B0005	Waste	6/8/2010	10:05:00 AM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	pigment material	12	4	
					CLP TCL Semivolatiles and Pesticides/PCBs							
	MB0005				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010					
					Corrosivity (pH)							
B12-PM-01	B12-PM-01	Waste	6/8/2010	10:05:00 AM	Ignitability	EMSL	6/14/2010	Field Sample	pigment material	12	4	
B12-DS-02	B0002	Waste	6/8/2010	9:15:00 AM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	Drum	12	1	
					PCBs (aroclors)							
					TCLP Volatiles, Semivolatiles, Pesticides and Herbicides							
	MB0002				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010					
					TCLP Metals							
					Corrosivity (pH)							
B12-DS-02	B12-DS-02	Waste	6/8/2010	9:15:00 AM	Ignitability	EMSL	6/14/2010	Field Sample	Drum	12	1	
B12-DS-01	B0008	Waste	6/8/2010	9:15:00 AM	CLP TCL Volatiles	A4 Scientific	6/10/2010	Field Sample	Drum	12	1	
					PCBs (aroclors)							
					TCLP Volatiles, Semivolatiles, Pesticides and Herbicides							
	MB0008				CLP TAL Total Metals and Cyanide	Bonner Analytical Testing Company	6/11/2010					
					TCLP Metals							
					Corrosivity (pH)							
B12-DS-01	B12-DS-01	Waste	6/8/2010	9:15:00 AM	Ignitability	EMSL	6/14/2010	Field Sample	Drum	12	1	
B12-AQ-01	B0004	Surface Water	6/8/2010	9:40:00 AM	CLP TCL Semivolatiles and Pesticides/PCBs	A4 Scientific	6/10/2010	Field Sample	basement water	12	B	
		pipe insulation	6/9/2010	9:30:00 AM	Asbestos, PLM - Bulk (EPA 600/R-93/116 (<1%))							
BK-002		pipe insulation	6/9/2010	9:45:00 AM	Asbestos, PLM - Bulk (EPA 600/R-93/116 (<1%))	EMSL	6/14/2010	Field Sample		7	1	

TABLE 4
SAMPLE SUMMARY

Sample ID	Lab ID	Matrix	Sample Date	Sample Time	Analysis Name	Laboratory	Date Shipped	Sample Type	Comments			
									Container type	Bldg. #	Floor	Location
BK-003		pipe insulation	6/9/2010	9:55:00 AM	Asbestos, PLM - Bulk (EPA 600/R-93/116 (<1%))	EMSL	6/14/2010	Field Sample		7	1	
BK-004		pipe insulation	6/9/2010	10:15:00 AM	Asbestos, PLM - Bulk (EPA 600/R-93/116 (<1%))	EMSL	6/14/2010	Field Sample		7	2	N
BK-005		pipe insulation	6/9/2010	10:30:00 AM	Asbestos, PLM - Bulk (EPA 600/R-93/116 (<1%))	EMSL	6/14/2010	Field Sample		7	2	S
BK-006		pipe insulation	6/9/2010	10:30:00 AM	Asbestos, PLM - Bulk (EPA 600/R-93/116 (<1%))	EMSL	6/14/2010	Field Sample		7	3	N
BK-007		pipe insulation	6/9/2010	10:50:00 AM	Asbestos, PLM - Bulk (EPA 600/R-93/116 (<1%))	EMSL	6/14/2010	Field Sample		7	3	S
BK-008		pipe insulation	6/9/2010	10:55:00 AM	Asbestos, PLM - Bulk (EPA 600/R-93/116 (<1%))	EMSL	6/14/2010	Field Sample		7	3	
BK-009		pipe insulation	6/9/2010	11:00:00 AM	Asbestos, PLM - Bulk (EPA 600/R-93/116 (<1%))	EMSL	6/14/2010	Field Sample		7	3	N
BK-010		pipe insulation	6/9/2010	11:20:00 AM	Asbestos, PLM - Bulk (EPA 600/R-93/116 (<1%))	EMSL	6/14/2010	Field Sample		12		
BK-011		pipe insulation	6/8/2010	2:30:00 PM	Asbestos, PLM - Bulk (EPA 600/R-93/116 (<1%))	EMSL	6/14/2010	Field Sample		7		
BK-012		pipe insulation	6/8/2010	2:40:00 PM	Asbestos, PLM - Bulk (EPA 600/R-93/116 (<1%))	EMSL	6/14/2010	Field Sample		7		

Notes:
† = insufficient sample volume for AROCLORS analysis
†† = broken sample jar. No sample volume remaining for analysis
B7 = Building #7
B12 = Building #12
CLP = Contract Laboratory Program
FB = Field Blank
ID= identification
NA = Not applicable
PCB – polychlorinated biphenyl
PLM = polarized light microscopy
QC = quality control

SED = sediment
TAL = Target Analyte list
TB = Trip blank
TCLP = Toxicity Characteristics Leaching Procedure
TM = Tank material



Legend

✕ Asbestos sampling location

— Door

□ Empty tank

▤ Tank with product/residue

Source: Modified from DigitalGlobe aerial photography, September 19, 2009, and from Soil & Groundwater Sampling Plan, Drawing 092976-SP-1, PMK Group, Inc., October 16, 2009.

Note: Sample B7-P-01 is a composite of all tanks north of BK-009 (tanks 1-61 on the right-hand side of this figure).

0 10 20
Feet

Approximate Site Location = ■



New Jersey

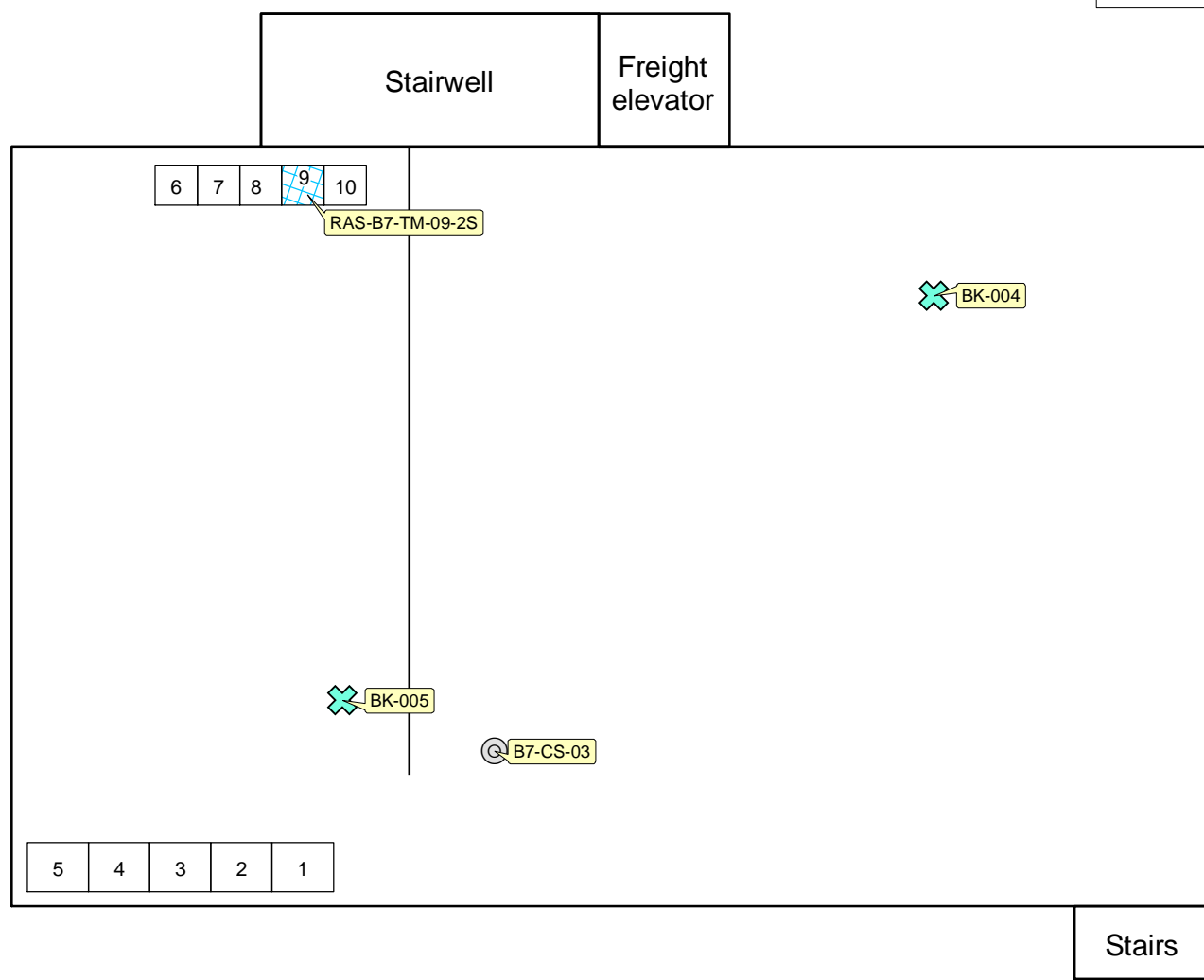
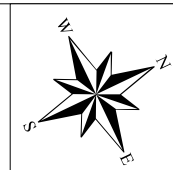
29 Riverside Avenue
Newark, Essex County, New Jersey

Figure 3 Sampling Location Map, Building 7, 3rd Floor





Project number 9004L100178
EPA Contract No. EP-S7-06-01

Map created on June 22, 2010
by D. Call, Tetra Tech EM Inc.

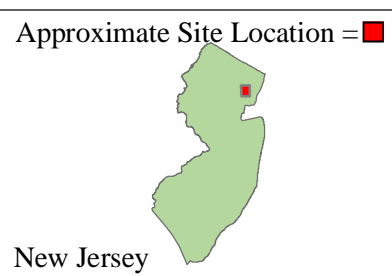
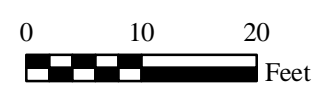




Legend

-  Asbestos sampling location
-  30-gallon open top carboy
-  Empty tank/vat
-  Vat with product/residue

Source: Modified from DigitalGlobe aerial photography, September 19, 2009, and from Soil & Groundwater Sampling Plan, Drawing 092976-SP-1, PMK Group, Inc., October 16, 2009.



29 Riverside Avenue
Newark, Essex County, New Jersey

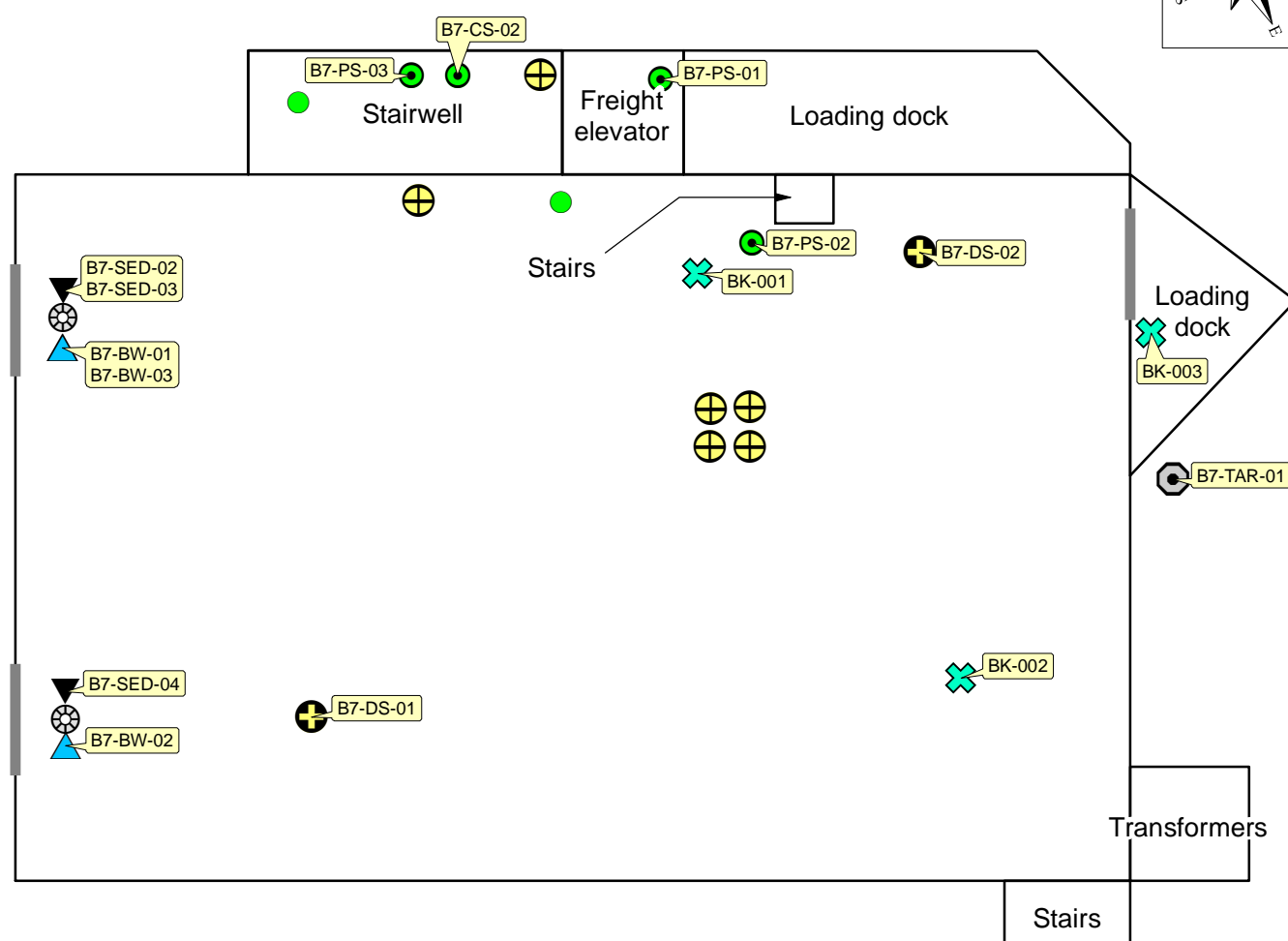
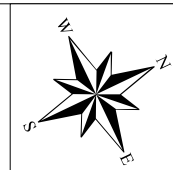
Figure 4
Sampling Location Map, Building 7, 2nd Floor

4.3.2 Drum, Carboy, and Container Inventory and Sampling

Tetra Tech collected one solid waste sample from the one 30-gallon carboy located on the second floor of Building #7 and one solid waste and six liquid waste samples from drums and containers located on the first floor of Building #7. Additionally, Tetra Tech collected two solid waste samples from the two drums located on the first floor of Building #12 and one liquid waste sample from a 5-gallon metal container also located on the first floor, near the 55-gallon drums. The solid waste material collected from the drums appeared to be granular activated carbon indicating that the two drums may have been used for water treatment. A sampling summary is presented in Table 4. Photographs of the tanks and Tetra Tech drum sampling activities are provided in the Appendix B. Figures 4, 5, and 6 show the locations of the samples collected from the drums and containers on the second and first floor Building 7 and from the first floor of Building #12, respectively. At each of the sampling locations, Tetra Tech filled two certified-clean, 4-ounce CWM glass jars with Teflon lined septa lids for TCL and TCLP VOCs and six certified-clean 8-ounce CWM glass jars with Teflon lined lids for TAL Total metals and cyanide, Aroclors, TCLP SVOC, TCLP metals, TCLP pesticides and herbicides, and ignitibility and corrosivity analyses.

4.3.3 Buildings # 7 and # 12 Basement Sampling

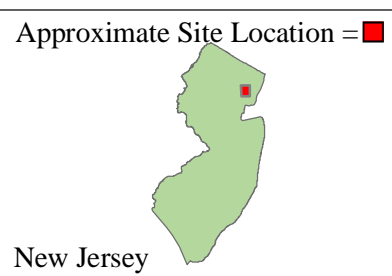
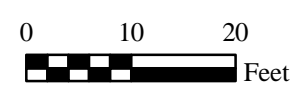
As summarized in Table 4, Tetra Tech collected a total of three aqueous samples and three sediment samples from the subbasement of Building 7, including one duplicate sample and one aqueous and one sediment samples from a sump in the basement of Building # 12. Figures 6 and 7 show the locations of the aqueous and sediment samples collected from Building 7 and Building #12, respectively. At each of the aqueous sampling locations, Tetra Tech filled three certified-clean, 40-ml glass VOC vials with Teflon lined septa lids for TCL VOC and four certified-clean 32-ounce amber glass jars for TCL SVOCs, pesticides and PCBs. At each of the sediment sampling locations, Tetra Tech filled one certified-clean, 4-ounce CWM glass jars with Teflon lined septa lids for TCL VOC and four certified-clean 8-ounce CWM glass jars with Teflon lined lids for TCL SVOCs, pesticides, Aroclors, TAL Total metals and cyanide, and ignitibility and corrosivity analyses.



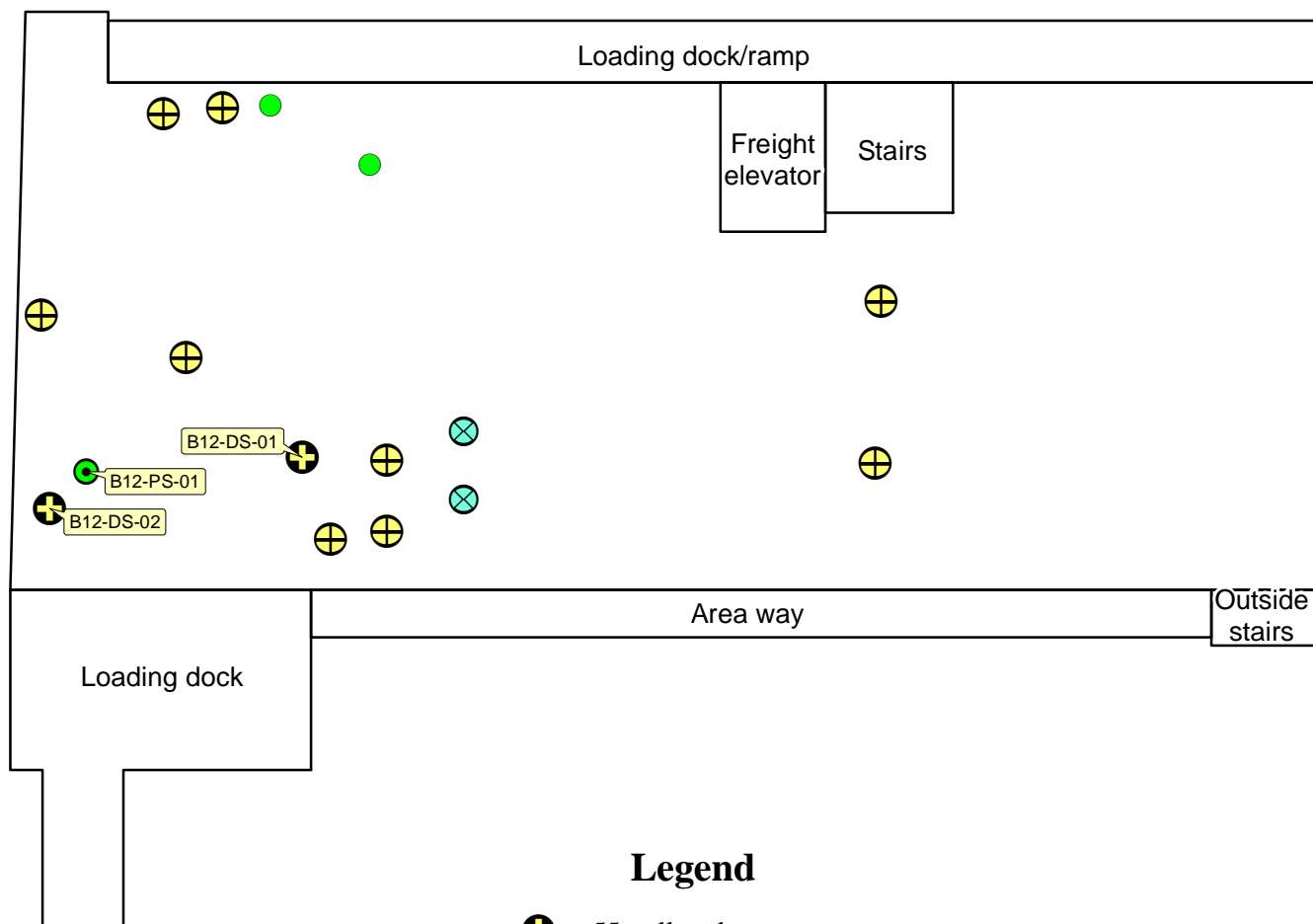
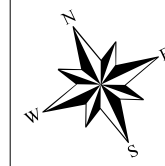
Legend

- | | | | |
|--|----------------------------|--|--------------------------|
| | Aqueous sampling location | | 55-gallon drum |
| | Sediment sampling location | | Empty 55-gallon drum |
| | Asbestos Sampling location | | 5-gallon container |
| | Tar/resin-like material | | Empty 5-gallon container |
| | Manhole to subbasement | | |

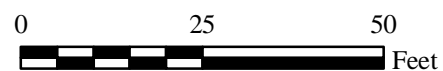
Source: Modified from DigitalGlobe aerial photography, September 19, 2009, and from Soil & Groundwater Sampling Plan, Drawing 092976-SP-1, PMK Group, Inc., October 16, 2009.



29 Riverside Avenue Newark, Essex County, New Jersey		
Figure 5 Sampling Location Map, Building 7, 1st Floor		
Project number 9004L100178 EPA Contract No. EP-S7-06-01	Map created on June 22, 2010 by D. Call, Tetra Tech EM Inc.	



Source: Modified from DigitalGlobe aerial photography, September 19, 2009, and from Soil & Groundwater Sampling Plan, Drawing 092976-SP-1, PMK Group, Inc., October 16, 2009.



Approximate Site Location =



New Jersey

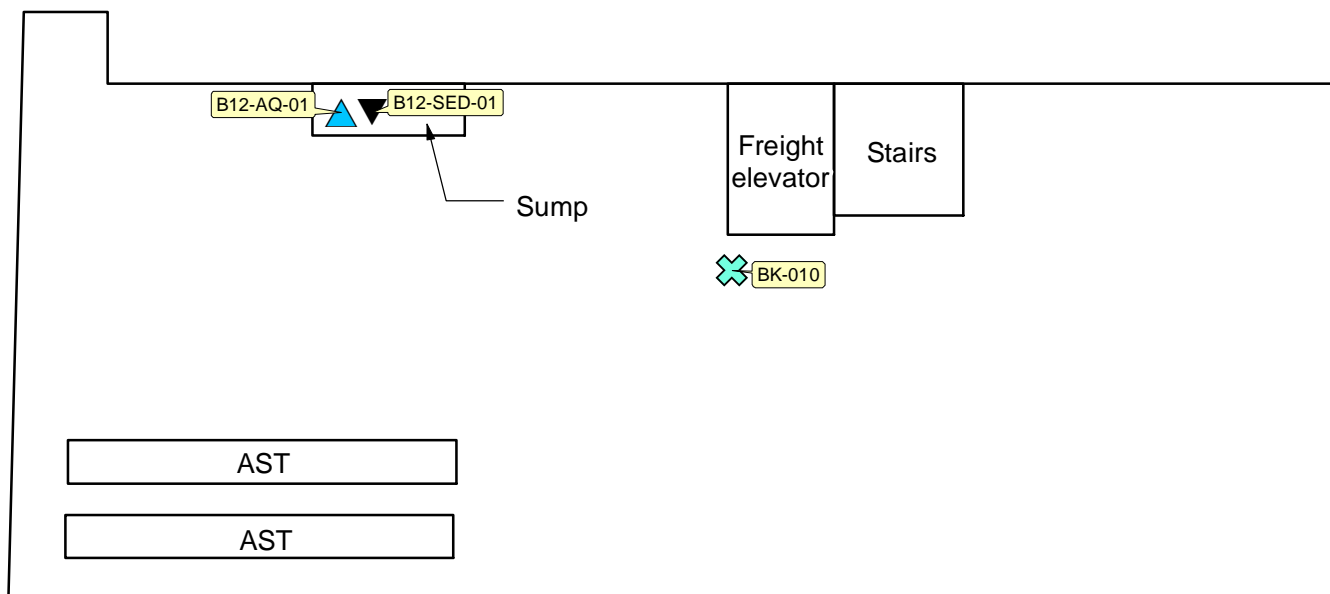
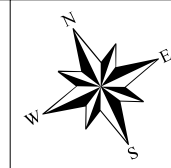
29 Riverside Avenue
Newark, Essex County, New Jersey

Figure 6
Sampling Location Map, Building 12, 1st Floor




Project number 9004L100178
EPA Contract No. EP-S7-06-01

Map created on June 22, 2010
by D. Call, Tetra Tech EM Inc.

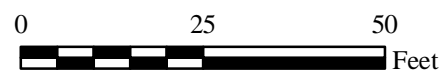




Legend

-  Aqueous sampling location
-  Sediment sampling location
-  Asbestos sampling location

Source: Modified from DigitalGlobe aerial photography, September 19, 2009, and from Soil & Groundwater Sampling Plan, Drawing 092976-SP-1, PMK Group, Inc., October 16, 2009.



Approximate Site Location = 



New Jersey

29 Riverside Avenue
Newark, Essex County, New Jersey

Figure 7 Sampling Location Map, Building 12, Basement

Project number 9004L100178
EPA Contract No. EP-S7-06-01

Map created on June 22, 2010
by D. Call, Tetra Tech EM Inc.



4.3.4 Sampling of Red and Blue-Colored Pigments Located in Building #12

Tetra Tech collected one sample of the red-colored pigment and one sample of blue-colored pigments observed on the floors of Building #12. Figure 8 shows the locations of the pigment samples collected from Building #12. At each sampling location, Tetra Tech filled one certified-clean, 4-ounce CWM glass jar with Teflon lined septa lids for TCL VOC and three certified-clean 8-ounce CWM glass jars for TCL SVOCs, pesticides and PCBs. At each sampling location, Tetra Tech filled one certified-clean, 4-ounce CWM glass jars with Teflon lined septa lids for TCL VOCs and three certified-clean 8-ounce CWM glass jars with Teflon lined lids for TCL SVOCs, pesticides, Aroclors, TAL Total metals and cyanide, and ignitibility and corrosivity analyses.

4.3.5 Asbestos-Form and Potential Asbestos Containing Material Sampling

As summarized in Table 4, Tetra Tech collected 11 bulk samples from pipe insulation contained inside and outside of Buildings # 7 and one bulk sample of pipe insulation in the basement of Building # 12. Photographs of the pipe insulation and potential asbestos containing material (PACM) sampling activities are provided in the Appendix B. Figures 3, 4, 5, and 7 show the locations of the PACM samples collected by Tetra Tech personnel.

4.4 SAMPLE HANDLING

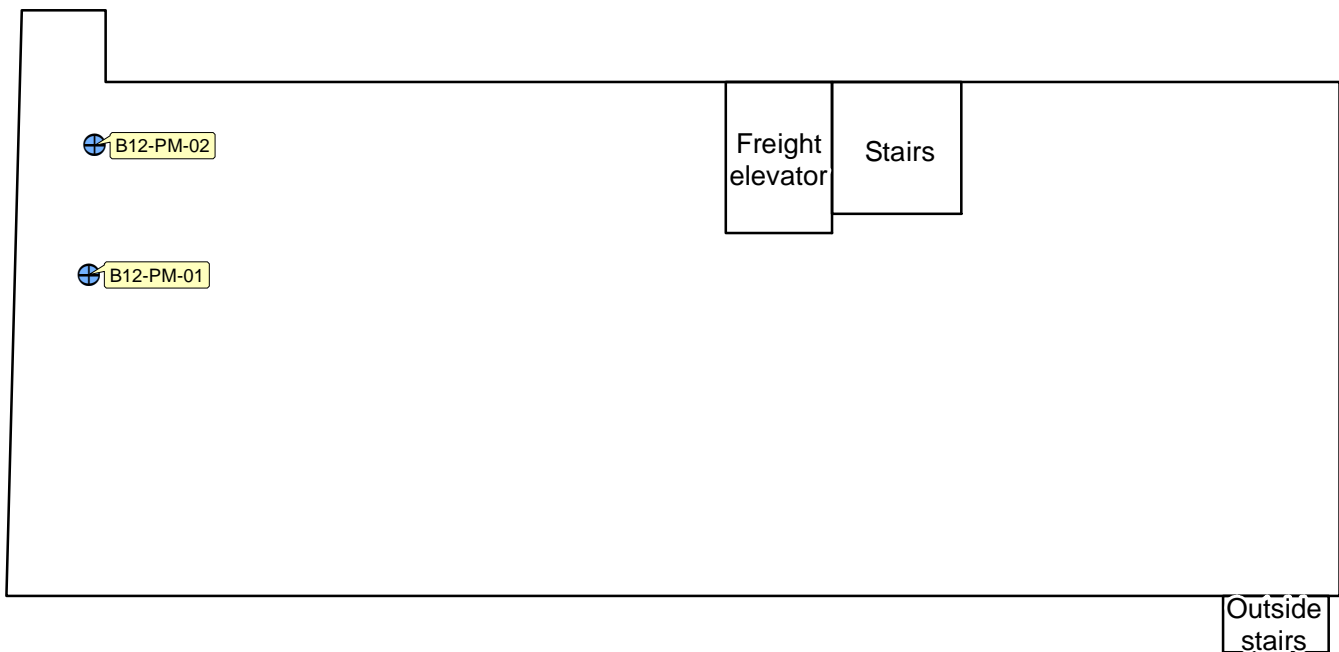
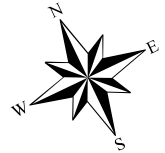
Sample handling, packaging, and shipment procedures were conducted in accordance with Tetra Tech SOP No. 019, "Packaging and Shipping Samples" (Tetra Tech 2008b). CLP labels and bottleware tags were placed on all sample containers and all shipping containers were properly labeled with EPA chain-of-custody seals and delivered with signed chain-of-custody forms and appropriate hazard warnings for laboratory personnel. Samples were shipped to the CLP laboratories assigned by EPA Region 2 and to private laboratories procured by Tetra Tech as shown in Table 4. Samples collected for organic and inorganic analyses were shipped to EPA CLP laboratories, A4 Scientific of The Woodlands, Texas and Bonner Analytical Testing Company of Hattiesburg, Mississippi, respectively, under CLP Case Number 40200. Samples were shipped to A4 Scientific on June 10, 2010 and to Bonner Analytical Testing Company on June 11, 2010. Appropriate samples were preserved and all samples were kept on ice during

delivery to the assigned CLP laboratory. All sampling data, including sample time, date, location, type, and sampler, was recorded on Forms2Lite chain-of-custody and traffic reports and in the site logbook. Copies of the U.S EPA CLP traffic report and chain of custody records are provided in Appendix C.

PACM and samples collected for corrosivity and ignitability were shipped to EMSL, a private laboratory procured by Tetra Tech, on June 14, 2010. An EMSL asbestos chain-of-custody Record was used for the PACM samples and is also included in Appendix C.

4.5 IDW AND EQUIPMENT DECONTAMINATION

All investigation-derived waste (IDW) generated during the removal assessment (dedicated sampling equipment and personal protective equipment [PPE]) was double-bagged and placed in one of two 55-gallon drums that remained on site. Non-dedicated sampling equipment underwent a gross decontamination with Alconox and distilled water followed by a double rinse with distilled water, in accordance with Tetra Tech SOP No. 002, “General Equipment Decontamination” (Tetra Tech 2009b). Disposal of IDW will be arranged following the receipt of the sample analytical data.



Legend

⊕ Pigment sampling location

Source: Modified from DigitalGlobe aerial photography, September 19, 2009, and from Soil & Groundwater Sampling Plan, Drawing 092976-SP-1, PMK Group, Inc., October 16, 2009.

0 25 50 Feet

Approximate Site Location = ■



New Jersey

29 Riverside Avenue
Newark, Essex County, New Jersey

Figure 8 Sampling Location Map, Building 12, 4th Floor

Project number 9004L100178
EPA Contract No. EP-S7-06-01

Map created on June 22, 2010
by D. Call, Tetra Tech EM Inc.



5.0 ANALYTICAL PARAMETERS

The aqueous and solid samples collected from the drums, tanks, and basements of Buildings #7 and #12 were submitted for TCL VOCs, SVOCs, pesticides, PCBs, and TAL metals and total cyanide analysis by the assigned EPA CLP laboratory. The samples of the red and blue-colored pigments were submitted for TAL metals and cyanide analysis. PACM samples were analyzed for the presence of asbestos-form fibers using EPA 600-R-93-116 “Method for the Determination of Asbestos in Bulk Building Materials using Polarized Light Microscopy” and EPA Method 600/R-93/116 Section 2.5 (Transmission Electron Microscopy (TEM) Percent by Mass). Table 4 provides a summary for all of the samples collected during this sampling event including the sample matrix, and analytical parameter.

6.0 REFERENCES

- Birdsall Services Group Inc./PMK Group, Inc. Draft Site Investigation Report. 1700-1712 & 1702-1716 McCarter Highway. Block 614, Lots 63 and 64. PMK Group #092976. October 16, 2009.
- Environmental Protection Agency (EPA). Code of Federal Regulations Title 40, Part 763.86 "Asbestos Sampling" Oct. 30, 1987.
- Tetra Tech EM Inc. (Tetra Tech). "Containerized Liquid, Sludge, or Slurry Sampling." SOP No. 008. January 2000a.
- Tetra Tech. "Sludge and Sediment Sampling." SOP No. 006. January 2000b.
- Tetra Tech. "Recording of Notes in Field Logbooks." SOP No. 024. December 2008a.
- Tetra Tech. "Packaging and Shipping Samples." SOP No. 019. December 2008b.
- Tetra Tech. "Surface Water Sampling." SOP No. 009. June 2009a.
- Tetra Tech. "General Equipment Decontamination." SOP No. 002. Revision No. 3. June 2009b.
- Tetra Tech. "Draft Sampling and Analysis Plan for the Riverside Avenue Site" April 22, 2010.
- United States Geological Survey. 7.5-Minute Series Topographic Map for Elizabeth, New Jersey, 1981 and Orange, New Jersey, 1981.
- Weston Solutions, Inc. Preliminary Assessment Report. 1700-1712 & 1702-1716 McCarter Highway. May 2009

APPENDIX A
FIELD LOG BOOK NOTES

4

Location Newark, NJ Date 6/7/10
 Project / Client Riverside Ave. Site / EPA R2

- 1030 Scaffold delivered to site (D+H) rental
 TE start personnel assisted with off loading scaffolding & they hauled scaffold to 3rd floor & assembled it in Building 7. ~~KS~~
- 12:15 K.S. & K.P. conduct inventory of drums, carboys & pails in buildings 7 & 12.
 C.B. & S.M. conduct inventory of tanks (VATS) on 3rd Floor of Bldg. 7. ~~KS~~
- 13:30 TE breaks for lunch
- 14:30 TE personnel return to site after lunch break & continue with tank & drum inventory in building 7. ~~KS~~
- 1530 B+H Equip. Rental returned to site w/ 24' step ladder
 K.S. & C.B. explore basement of Building 12. - Two 5-10K Gallon tanks observed in basement. Water in Sump (northside)

Location

Newark, NJ

Date

6/7/10

5

Project / Client

Riverside Ave. Site / EPA R2

1600 TE ~~from~~ carboys to inventory tanks in Building 7. (North side)
 Seventy four (74) tanks inventoried on 3rd floor of Bldg. 7. (Some of these tanks were partitioned into 2 chambers (approx 28) of these tanks inventoried 4 tanks (14, 18, 52, & 53) had product. All four tanks were partitioned into 2 chambers. And tank 14, 52, 53 had product in each compartment and tank 18 only had product in one compartment. ~~some~~ ^{each} tank compartments were identified as A & B. Tank 18 had product in compartment B. For this room 7 samples will be collected from the four tanks with product in them.

~~6/7/10~~
~~KS~~

6

Location

Newark, NJ

Date

6/7/10

Project / Client

Riverside Ave Site / EPA R2

- 1630 Twenty tanks were inventoried in Building T on the 3rd floor in the South Room. Six (6) tanks had product in them (Tanks 5, 9, 10, 17, 18, & 19). Tank 11 had a geotextile fabric/liner stuffed inside (as trash?).
- 1705 All TE personnel depart site & head to Sheraton (Newark, NJ) near air port (approx. 6 miles from site).

~~KS works on Forms setting up Form 2 like paperwork~~

~~6/7/10 South~~

Location

Newark, NJ

Date

6/8/10

Project / Client

Riverside Ave Site / EPA R2

- 0700 KS, C.B. & S.M. (TE) Depart Hotel for site
- 0730 KS & C.B. Stop at convenience store to get ice.
- 0745 TE onsite & begin preparing for sample collection.
- Weather: Partly cloudy, warm, breezy. Temps in 20s°F Hi: 75°F
Lo: 59°F Winds NW @ 20 mph
Humidity: 21% KS
- S.M. arrived at site prior to KS & C.B.; K.P. already on site at about 7:15. D.H. (EPA) onsite.
- K.S. & K.P. prep for Drum Sampling KS + S.M. prep for tank sampling (BT)
~~KS~~ in Bldg. 12.
- 0915 K.S. & K.P. collect two Drum Samples of charcoal from two ~~closed~~ metal 55-gal drums on first floor. Sample KS
- 0920 also collected sample from 5 gallon pail of oily liquid. Samples collected in Level C PPE KS
~~KS~~ Drum & pail sample collected for TCL VOC

8

Location: Newark, NJ Date: 6/8/10
 Project / Client: Riverside Ave Site / EPA R2

TCL SVOC, PEST, PCB, TCLP metals
 TAL metals, TCLP VOAs, SVOCs,
 PEST + Herb. Drum contents
 placed in 6 8-oz CWM glass
 jars + 2 - 4-oz CWM glass
 jars w/ SEPTA lids.

(Same for Part sample.)
 C.B. + S.M. start collecting
 samples from tanks / VATS
 in Bldg. 7. KS

0940- KS + KP collect 1 Aqueous
 0955 + 1 sediment sample from
 basement sump in building 12.
 4 1-liter amber jars + 3 40ml
 VOA vials filled with sump
 water for analysis for
 TCL VOCs, SVOCs, PEST/PCBs.
 2 8-oz CWM glass jars + 2
 4-oz CWM glass jars with SEPTA
 lids filled with sediment
 collected from sump.

Analysis for sed includes
 TCL VOAs TAL metals + CN

KS

9

Location: Newark, NJ Date: 6/8/10
 Project / Client: Riverside Ave Site / EPA R2

1005 KS collects sample of red
 + blue pigment material
 beneath suspended funnel
 tanks on fourth floor of
 Bldg. 12. Samples of each
 pigment placed in 2 8-oz
 CWM glass jars + 2 4-oz
 CWM glass jars w/ SEPTA lids.
 Pigment collected from spilled
 material on floor - pigment
 mixed w/ bird droppings.

Samples of pigment to be
 sent to lab for analysis for
 TCL VOCs, SVOCs, PEST/PCBs, TAL
 metals + CN.

EPA R2 OSC DAVID ROSOFF on site
 KS + C.B. tour site w/ DAVID
 R who identifies asbestos
 sampling locations (10 in Bldg 7
 1 on ground outside Bldg. 7
 + 1 in basement of Bldg. 12.
 (12 total samples for analysis
 for PCM.

JS 6/8/10

Location Newark, NJ Date 6/8/10
 Project / Client Riverside Ave Site / EPA R2

David Rosoff also request that a sample of the material in the pipes (piping at the tanks & vats) be collected for analysis (maybe reduced suite of analyses depending on volume of sample Tt is able to attain. EPA & Tt personnel locate discharge pipe protruding from river bank wall at the Passaic R. east of Bldg. 7. odor of parathion detected in air. EPA requested that Tt also collect a sample of the tar-like/asphalt-like substance that is oozing/leaching from bank wall at Passaic R. EPA would also like Tt to collect a sample of the black tar-like substance that is oozing from bottom of North face of Bldg 7, + tar/rasid-like substance that is coating

Location Newark, NJ Date 6/8/10
 Project / Client Riverside Ave. Site / EPA R2

The piping found on the pipes on the north face of Bldg 7 inside basement/1st floor level.

- 1115 KS + KP collect aqueous sample from sub-basement from manhole entrance at South end of Bldg 7. Sludge judge used to obtain sample 3 40ml vials, 4 1-liter Ambers filled for TCL VOCs, SVOCs Pest. + PCBs. Sample ID: B7-BW-01 Duplicate collected at this location Duplicate ID: B7-BW-03 (time of 11:20 used for Dup.
- 1145 KS + KP collect sediment sample at same location as BW-01 Sludge judge ineffective Tt. engineered sediment collection device from sample jar and metal pole. 2 8-oz. CWM glass jars + 2- 4-oz CWM glass jars w/SEATA vials filled Analyser include TCL VOCs, SVOCs

12

Location

Newark, NJ

Date

6/8/10

Project / Client

Riverside Ave. Site / EPA R2

Post / PCBs; TAL Metals + CN,
Duplicate sample collected
Sediment

@ same location. Duplicate
Sediment Pair IDs

B7-SED-02 + B7-SED-03

1215 TE (KS + KP) collect Aqueous
+ sediment samples from
sub-basement in EXST Garage
bay of Bldg 7. -

SAME PARAMETERS + sample vol
as prev. Aq + sed samples

Sample IDs: Aq = B7-BW-02
(BW = Basement water); SED =

B7-SED-04 (SED sample
collected at 12:30 pm.) odor
of Phenol or Aniline detected
in air after sediment
sample from this manhole
was collected. reddish-brown
oily sludge (sed-04) as compared
to black, gritty, oily sediment
at location BW-01 / SED-02.

Scott

Location

Newark, NJ

Date

6/8/10

13

Project / Client

Riverside Ave. Site / EPA R2

TE team of C.B. + S.M.
continue to collect samples
from tanks / UATs in Bldg. 7
(3rd floor)

1330 TE personnel break for lunch

1415 TE personnel return to sampling
activities.

1430 KS collect sample of
~~Asbestos~~ like tar / resin like
material from piping in north
side of 1st floor of Bldg 7
K.P. collects tar like substance
from out building 7 (north wall)
as base.

1435 KS collect Asbestos-like
material (white solid) from
outside west garage bay
door of Bldg 7. (south side)
+ fiberglass like material
around exterior pipe
KP, CB, + S.M. collecting
samples from tanks / UATs
+ piping from 2nd + 3rd floors
of Bldg. 7. — Scott

14

Location

Newark, NJ

Date

6/9/10

Project / Client

Riverside Ave. Site / EPA R2

1520 KS retrieves chunk of black tar/asphalt like material that David Rosoff retrieved from bank of Passaic R.

1530 Tt personnel finished up w/ tank & vat / pipe material sample collection and re-organized truck in preparation to depart site.

1630 Tt personnel at site.
LATE ENTRY.

EPA REAC / SERAS contractor on site w/ David Rosoff to conduct geophysical survey.

1700 Tt personnel arrive at hotel (Sheraton - Newark)

KS begins entering sample info into Forms 2 Lite Software.

6/9/10

15

Location

Newark, NJ

Date

6/9/10

Project / Client

Riverside Ave. Site / EPA R2

0645 Tt personnel K.S. C.B. + S.M. check out of hotel + Depart for site

0700 K.S. + C.B. stop at convenience store to purchase more ice for preserving samples

0730 KS + C.B., S.M. + K.P. on site + begin preparing for sampling activities (Asbestos + 8 drum, carboy / pail / samples in Bldg 7. (Floors 1 + 2)
Weather: cloudy, temps 55°F
Winds SE @ 4 mph humidity: 44%
Expected hi: 69°F showers possible

0800 Field blank prepared (RAS-FB-01).

KS continue updating Forms II Lite / Chain of Custody Record while KP collects drum + pail samples from Bldg 7. C.B. + S.M. begin collecting samples of potential Acm from pipe wrapping in Bldg 7, using

Location Newark, NJ Date 6/9/10
 Project / Client Riverside Ave Site (EPA R2)

dove bags. TE personnel
 took photographs of
 samples / sampling activities

1130 Raining lightly. KS

1200 TE break for lunch

1300 TE personnel begin breaking
 down scaffolding material
 + staging it on loading
 dock of bldg 2.

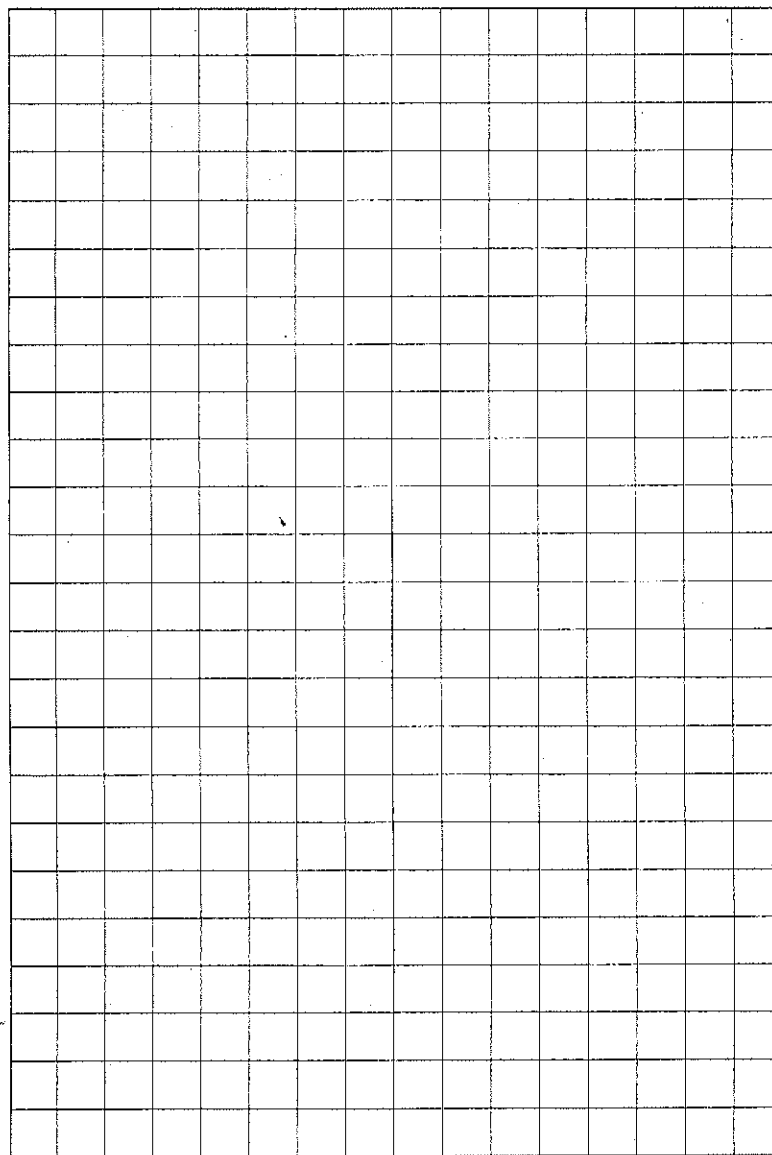
1400 D+H Rental Equipment on-site
 to retrieve scaffolding +
 extension ladder (used to
 get into basement of building
 12). KS

KS + KP collect remaining
 drum + carboy sampler from
 first level of bldg 7. 30 Gallon
 carboy near stairway entrance
 B7-05-01 had less than 1"
 of product in it and sample
 could not be obtained.

1500 All personnel off site. TE
 personnel return to respective
 offices.

KS
 6/9/10

Location _____ Date _____
 Project / Client _____



APPENDIX B
PHOTO DOCUMENTATION LOG

Site Name: Riverside Avenue Site
Location: Newark, NJ

Photographic Documentation
Prepared by: Tetra Tech EM Inc.
Photographer: Kevin Scott

Photograph No. 1

Photograph Date: March 18, 2010

Description: View of loading dock and northwest corner of Building #7.

Photo orientation: Facing south



Photograph No. 2

Photograph Date: March 18, 2010

Description: View of southern side of Building #7.

Photo orientation: Facing north



Site Name: Riverside Avenue Site
Location: Newark, NJ

Photographic Documentation
Prepared by: Tetra Tech EM Inc.
Photographer: Kevin Scott

Photograph No. 3

Photograph Date: March 18, 2010

**Description: View of
ramp/loading dock area of
Building #12.**

Photo orientation: Facing east.



Photograph No. 4

Photograph Date: March 18, 2010

**Description: View of southern
side of Building 12.**

**Photo orientation: Facing
northwest.**



Photographic Documentation

Site Name: Riverside Avenue Site
Location: Newark, NJ

Prepared by: Tetra Tech EM Inc.
Photographer: Kevin Scott

Photograph No. 5

Photograph Date: March 26, 2010

Description: View of former paint and varnish tanks on third floor of Building #7 (north room).

Photo orientation: Facing east southeast.



Photograph No. 6

Photograph Date: June 21, 2010

Description: View of former paint and varnish tanks on third floor of Building #7 (north room).

Photo orientation: Facing northeast.



Photographic Documentation

Site Name: Riverside Avenue Site
Location: Newark, NJ

Prepared by: Tetra Tech EM Inc.
Photographer: Kevin Scott

Photograph No. 7

Photograph Date: March 26, 2010

Description: View of former paint and varnish tanks on third floor of Building #7 (south room).

Photo orientation: Facing east, southeast.



Photograph No. 8

Photograph Date: March 26, 2010

Description: View of former paint and varnish tanks on second floor of Building #7 (south room).

Photo orientation: Facing west.



Photographic Documentation

Site Name: Riverside Avenue Site
Location: Newark, NJ

Prepared by: Tetra Tech EM Inc.
Photographer: Kevin Scott

Photograph No. 9

Photograph Date: April 7, 2010

Description: View of drums on first floor of Building #12.

Photo orientation: Facing west.



Photograph No. 10

Photograph Date: April 7, 2010

Description: View of drums and containers on first floor of Building #12.

Photo orientation: Facing west, northwest.



Site Name: Riverside Avenue Site
Location: Newark, NJ

Photographic Documentation
Prepared by: Tetra Tech EM Inc.
Photographer: Kevin Scott

Photograph No. 11

Photograph Date: June 8, 2010

Description: View of Tetra Tech personnel inspecting paint and varnish tanks on third floor of Building #7.

Photo orientation: Facing northeast



Photograph No. 12

Photograph Date: June 8, 2010

Description: View of Tetra Tech personnel collecting sample from paint or varnish tank on third floor of Building #7.

Photo orientation: Facing northeast



Site Name: Riverside Avenue Site
Location: Newark, NJ

Photographic Documentation
Prepared by: Tetra Tech EM Inc.
Photographer: Kevin Scott

Photograph No. 13

Photograph Date: June 9, 2010

Description: View of Tetra Tech personnel using a glove bag to collect a sample of pipe insulation from a pipe on the second floor of Building #7. The insulation is thought to contain asbestos.



Photograph No. 14

Photograph Date: June 9, 2010

Description: View of Tetra Tech personnel using a glove bag to collect a sample of pipe insulation from a pipe on the first floor of Building #7. The insulation is thought to contain asbestos.



Site Name: Riverside Avenue Site
Location: Newark, NJ

Photographic Documentation
Prepared by: Tetra Tech EM Inc.
Photographer: Kevin Scott

Photograph No. 15

Photograph Date: April 9, 2010

Description: View of Tetra Tech personnel collecting a sample from a drum on the first floor of Building #7.

Photo orientation: Facing east southeast.



Photograph No. 16

Photograph Date: June 8, 2010

Description: View of manhole leading into subbasement of Building #7 (garage bay, south west side). Also location of samples B7-BW-01, B7-BW-03. B7-SED-02 and BW-SED-03.

Photo orientation: Facing south southwest.



Photographic Documentation

Site Name: Riverside Avenue Site
Location: Newark, NJ

Prepared by: Tetra Tech EM Inc.
Photographer: Kevin Scott

Photograph No. 17

Photograph Date: June 8, 2010

Description: View of manhole leading into subbasement of Building #7 (garage bay, south west side). Also location of samples B7-BW-01, B7-BW-03, B7-SED-02, and BW-SED-03.



Photograph No. 18

Photograph Date: June 8, 2010

Description: View of manhole leading into subbasement of Building #7 (garage bay, south east side). Also location of samples B7-BW-02, and BW-SED-04.



Photographic Documentation

Site Name: Riverside Avenue Site
Location: Newark, NJ

Prepared by: Tetra Tech EM Inc.
Photographer: Kevin Scott

Photograph No. 19

Photograph Date: April 7, 2010

Description: View of colored pigment material on fourth floor of Building #12. Also location of samples B12-PM-01 and B12-PM-02.

Photo orientation: Facing west, northwest.



Photograph No. 20

Photograph Date: April 9, 2010

Description: View of Tetra Tech personnel collecting a sample from a 5-gallon pail on the first floor of Building #7. (Sample B7-PS-01)



APPENDIX C

TRAFFIC REPORTS AND CHAIN-OF-CUSTODY RECORDS



USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 40200

DAS No:

R

Region: 2	Date Shipped: 6/10/2010	Chain of Custody Record Relinquished By (Date / Time) Received By (Date / Time) 1 <i>[Signature]</i> 6/10/10 1800 2 3 4	Sampler Signature: <i>[Signature]</i>
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill: 8731 0479 8313		
CERCLIS ID: NJSFN0204232	Shipped to: A4 Scientific		
Spill ID: PC	1544 Sawdust Road		
Site Name/State: Riverside Avenue/NJ	Suite 505		
Project Leader: Kevin Scott	The Woodlands TX 77380		
Action: Removal Action	(281) 292-5277		
Sampling Co: Tetra Tech			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
B0002	Waste/ Kevin Scott	H/C	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	156 (Ice Only), 185 (Ice Only), 580 (Not preserved), 581, 582 (5)	B12-DS-02 ✓	S: 6/8/2010	9:15	MB0002	--
B0003	Surface Water/ Kevin Scott	M/G	BNA/PEST (14), VOA (14)	117 (Ice Only), 118 (Ice Only), 119 (Ice Only), 120 (Ice Only), 121 (HCL), 122 (HCL), 123 (HCL) (7)	B7-BW-01 ✓	S: 6/8/2010	11:15		Dup of B7-BW-03
B0004	Surface Water/ Kevin Scott	M/G	BNA/PEST (14), VOA (14)	126 (Ice Only), 127 (Ice Only), 128 (Ice Only), 129 (Ice Only), 130 (HCL), 131 (HCL), 132 (HCL) (7)	B12-AQ-01 ✓	S: 6/8/2010	9:40		--
B0005	Waste/ Kevin Scott	H/G	BNA/PEST (14), VOA (14)	139 (Ice Only), 140 (Ice Only), 176 (Ice Only) (3)	B12-PM-01	S: 6/8/2010	10:05	MB0005	--
B0006	Waste/ Kevin Scott	H/G	BNA/PEST (14), VOA (14)	143 (Ice Only), 144 (Ice Only), 175 (Ice Only) (3)	B12-PM-02	S: 6/8/2010	10:10	MB0006	--
B0007	Oil(High only)/ Kevin Scott	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	147 (Ice Only), 186 (Ice Only), 565 (Not preserved), 566, 567 (5)	B12-PS-01	S: 6/8/2010	9:20	MB0007	--
B0008	Waste/ Kevin Scott	H/C	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	159 (Ice Only), 184 (Ice Only), 570 (Not preserved), 571, 572 (5)	B12-DS-01	S: 6/8/2010	9:15	MB0008	--

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, PCBS = PCBs(AROCLORS), T-PestHerb = TCLP Pesticide/Herbicide, T_SEMI = TCLP Semivolatiles, T_VOAS = TCLP Volatiles, VOA = CLP TCL Volatiles			

TR Number: 2-232373826-061010-0010

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

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EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 40200

DAS No:

R

Region: 2	Date Shipped: 6/10/2010	Chain of Custody Record	Sampler Signature: <i>[Signature]</i>
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill: 8731 0479 8313	Relinquished By: <i>[Signature]</i> (Date / Time): 6/10/10 1800	Received By: (Date / Time)
CERCLIS ID: NJSFN0204232	Shipped to: A4 Scientific	1	
Spill ID: PC	1544 Sawdust Road	2	
Site Name/State: Riverside Avenue/NJ	Suite 505	3	
Project Leader: Kevin Scott	The Woodlands TX 77380	4	
Action: Removal Action	(281) 292-5277		
Sampling Co: Tetra Tech			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
B0009	Sediment/ Kevin Scott	H/G	BNAP/EST (14), PCBS (14), VOA (14)	179 (Ice Only), 181 (Ice Only), 182 (Ice Only), 187 (Ice Only) (4)	B12-SED-01✓	S: 6/8/2010	9:45	MB0009	—
B0010	Surface Water/ Kevin Scott	M/G	BNAP/EST (14), VOA (14)	188 (HCL), 189 (HCL), 190 (HCL), 191 (Ice Only), 192 (Ice Only), 193 (Ice Only), 194 (Ice Only) (7)	B7-BW-02✓	S: 6/8/2010	12:15		—
B0012	Surface Water/ Kevin Scott	M/G	BNAP/EST (14), VOA (14)	203 (Ice Only), 204 (Ice Only), 205 (Ice Only), 206 (Ice Only), 207 (HCL), 208 (HCL), 209 (HCL) (7)	B7-BW-03✓	S: 6/8/2010	11:20		Dup of B7-BW-01
B0013	Sediment/Sludg e/ Kevin Scott	H/G	BNAP/EST (14), PCBS (14), VOA (14)	211 (Ice Only), 212 (Ice Only), 213 (Ice Only) (3)	B7-SED-02	S: 6/8/2010	11:45	MB0013	Dup of B7-SED-03
B0014	Sediment/Sludg e/ Kevin Scott	H/G	BNAP/EST (14), PCBS (14), VOA (14)	215 (Ice Only), 216 (Ice Only), 217 (Ice Only) (3)	B7-SED-03	S: 6/8/2010	11:50	MB0014	Dup of B7-SED-02
B0015	Sediment/Sludg e/ Kevin Scott	H/G	BNAP/EST (14), PCBS (14), VOA (14)	219 (Ice Only), 220 (Ice Only), 221 (Ice Only) (3)	B7-SED-04✓	S: 6/8/2010	12:30	MB0015	—
B0016	Waste(High only)/ Kevin Scott	H/G	BNAP/EST (14), VOA (14)	222 (Ice Only), 223 (Ice Only) (2)	B7-TAR-01✓	S: 6/8/2010	14:45		—
B0017	Waste/ Chris Burns	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	226 (Ice Only), 463 (Not preserved), 465 (Not preserved), 466, 467 (5)	RAS-B7-TM-05	S: 6/8/2010	13:15	MB0017	—

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
BNAP/EST = CLP TCL Semivolatiles and Pesticides/PC, PCBS = PCBs(AROCLORS), T-PestHerb = TCLP Pesticide/Herbicide, T_SEMI = TCLP Semivolatiles, T_VOAS = TCLP Volatiles, VOA = CLP TCL Volatiles			

TR Number: 2-232373826-061010-0010

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USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Record

Case No: 40200

DAS No:

R

Region: 2	Date Shipped: 6/10/2010	Chain of Custody Record	Sampler Signature: <i>K Scott</i>
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill: 8731 0479 8313	Relinquished By	(Date / Time)
CERCLIS ID: NJSFN0204232	Shipped to: A4 Scientific	1 <i>K Scott</i>	6/10/2010
Spill ID: PC	1544 Sawdust Road	2	
Site Name/State: Riverside Avenue/NJ	Suite 505	3	
Project Leader: Kevin Scott	The Woodlands TX 77380	4	
Action: Removal Action	(281) 292-5277		
Sampling Co: Tetra Tech			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
B0018	Waste/ Chris Burns	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	234 (Ice Only), 235 (Ice Only), 530 (Not preserved), 531, 532 (5)	RAS-B7-TM-09	S: 6/8/2010	13:34	MB0018	Dup. of RAS-B7-TM-10
B0019	Waste/ Chris Burns	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	242 (Ice Only), 243 (Ice Only), 470 (Not preserved), 471, 472 (5)	RAS-B7-TM-09-2S	S: 6/8/2010	14:30	MB0019	--
B0020	Waste/ Chris Burns	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	250 (Ice Only), 251 (Ice Only), 475 (Not preserved), 476, 477 (5)	RAS-B7-TM-10	S: 6/8/2010	13:30	MB0020	Dup of RAS-B7-TM-09
B0021	Waste/ Chris Burns	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	258 (Ice Only), 259 (Ice Only), 480 (Not preserved), 481, 482 (5)	RAS-B7-TM-14A	S: 6/8/2010	9:50	MB0021	--
B0022	Waste/ Chris Burns	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	266 (Ice Only), 267 (Ice Only), 485 (Not preserved), 486, 487 (5)	RAS-B7-TM-14B	S: 6/8/2010	10:05	MB0022	--
B0023	Waste/ Chris Burns	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	274 (Ice Only), 275 (Ice Only), 490 (Not preserved), 491, 492 (5)	RAS-B7-TM-17	S: 6/8/2010	12:15	MB0023	--

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, PCBS = PCBs(AROCLORS), T-PestHerb = TCLP Pesticide/Herbicide, T_SEMI = TCLP Semivolatiles, T_VOAS = TCLP Volatiles, VOA = CLP TCL Volatiles			

TR Number: 2-232373826-061010-0010

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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EPA USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 40200

DAS No:

R

Region: 2	Date Shipped: 6/10/2010	Chain of Custody Record	Sampler Signature: <i>[Signature]</i>
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill: 8731 0479 8313	Relinquished By	(Date / Time)
CERCLIS ID: NJSFN0204232	Shipped to: A4 Scientific	1 <i>[Signature]</i>	6/10/10
Spill ID: PC	1544 Sawdust Road	2	
Site Name/State: Riverside Avenue/NJ	Suite 505	3	
Project Leader: Kevin Scott	The Woodlands TX 77380	4	
Action: Removal Action	(281) 292-5277		
Sampling Co: Tetra Tech			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
B0024	Waste/ Chris Burns	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	282 (Ice Only), 283 (Ice Only), 495 (Not preserved), 496, 497 (5)	RAS-B7-TM-18	S: 6/8/2010	12:30	MB0024	—
B0025	Waste/ Chris Burns	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	290 (Ice Only), 291 (Ice Only), 500 (Not preserved), 501, 502 (5)	RAS-B7-TM-19	S: 6/8/2010	12:45	MB0025	—
B0029	Waste/ Chris Burns	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	322 (Ice Only), 323 (Ice Only), 520 (Not preserved), 521, 522 (5)	RAS-B7-TM-53A	S: 6/8/2010	11:00	MB0029	—
B0030	Waste/ Chris Burns	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	330 (Ice Only), 331 (Ice Only), 525 (Not preserved), 526, 527 (5)	RAS-B7-TM-53B	S: 6/8/2010	11:15	MB0030	—
B0031	Field QC/ Chris Burns	L/G	BNA/PEST (14), VOA (14)	336 (HCL), 337 (HCL), 338 (HCL), 348 (Ice Only), 349 (Ice Only), 350 (Ice Only), 351 (Ice Only) (7)	RAS-FB-01✓	S: 6/9/2010	8:12		Lab QC
B0033	Field QC/ Chris Burns	L/G	VOA (14)	340 (HCL), 341 (HCL), 342 (HCL) (3)	RAS-TB-01✓	S: 6/9/2010	8:07		Trip Blank

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, PCBS = PCBs(AROCLORS), T-PestHerb = TCLP Pesticide/Herbicide, T_SEMI = TCLP Semivolatiles, T_VOAS = TCLP Volatiles, VOA = CLP TCL Volatiles			

TR Number: 2-232373826-061010-0010

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Record

Case No: 40200

DAS No:

R

Region: 2	Date Shipped: 6/10/2010	Chain of Custody Record	Sampler Signature: <i>K. Scott</i>
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill: 8731 0479 8313	Relinquished By: <i>K. Scott</i>	(Date / Time): 6/10/2010 10:00
CERCLIS ID: NJSFN0204232	Shipped to: A4 Scientific	Received By:	(Date / Time):
Spill ID: PC	1544 Sawdust Road		
Site Name/State: Riverside Avenue/NJ	Suite 505		
Project Leader: Kevin Scott	The Woodlands TX 77380		
Action: Removal Action	(281) 292-5277		
Sampling Co: Tetra Tech			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
B0034	Waste/ Kevin Phelan	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	354 (Ice Only), 355 (Ice Only), 560 (Not preserved), 561, 562 (5)	B7-CS-03	S: 6/9/2010	9:56	MB0034	—
B0035	Waste/ Kevin Phelan	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	362 (Ice Only), 363 (Ice Only), 555 (Not preserved), 556, 557 (5)	B7-DS-01	S: 6/9/2010	9:40	MB0035	—
B0036	Waste/ Kevin Phelan	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	370 (Ice Only), 371 (Ice Only), 540 (Not preserved), 541, 542 (5)	B7-PS-02	S: 6/9/2010	10:33	MB0036	—
B0037	Waste/ Kevin Phelan	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	378 (Ice Only), 379 (Ice Only), 535 (Not preserved), 536, 537 (5)	B7-PS-01	S: 6/9/2010	11:04	MB0037	—
B0040	Waste/ Kevin Phelan	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	400 (Ice Only), 401 (Ice Only), 402 (Ice Only), 403 (Ice Only), 550 (Not preserved), 551, 552 (7)	B7-DS-02	S: 6/9/2010	14:09	MB0040	—

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, PCBS = PCBs(AROCLORS), T-PestHerb = TCLP Pesticide/Herbicide, T_SEMI = TCLP Semivolatiles, T_VOAS = TCLP Volatiles, VOA = CLP TCL Volatiles			

TR Number: 2-232373826-061010-0010

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 40200

DAS No:

R

Region: 2	Date Shipped: 6/10/2010	Chain of Custody Record	Sampler Signature: <i>[Signature]</i>		
Project Code:	Carrier Name: FedEx				
Account Code:	Airbill: 8731 0479 8313	Relinquished By	(Date / Time)	Received By	(Date / Time)
CERCLIS ID: NJSFN0204232	Shipped to: A4 Scientific	1 <i>[Signature]</i>	6/10/10 1800		
Spill ID: PC	1544 Sawdust Road	2			
Site Name/State: Riverside Avenue/NJ	Suite 505	3			
Project Leader: Kevin Scott	The Woodlands TX 77380	4			
Action: Removal Action	(281) 292-5277				
Sampling Co: Tetra Tech					

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	QC Type
B0041	Waste/ Chris Burns	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	414 (Ice Only), 415 (Ice Only), 416 (Ice Only), 417 (Ice Only), 583 (Not preserved), 584 (Not preserved), 587, 588, 589, 590 (10)	Riverbank-1✓	S: 6/9/2010	14:00	MB0041	--
B0042	Waste/ Kevin Phelan	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	440 (Ice Only), 441 (Ice Only), 545 (Not preserved), 546, 547 (5)	B7-PS-03	S: 6/9/2010	11:54	MB0042	--
B0043	Waste/ Kevin Phelan	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	450 (Ice Only), 451 (Ice Only), 575 (Not preserved), 576, 577 (5)	B7-CS-02	S: 6/9/2010	11:27	MB0043	--
B0044	Waste/ Chris Burns	H/G	PCBS (14), T-PestHerb (14), T_SEMI (14), T_VOAS (14), VOA (14)	593, 596 (Not preserved), 597, 598, 599 (Not preserved) (5)	B7-P-01	S: 6/9/2010	15:15	MB0044	--

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment iced? _____
BNA/PEST = CLP TCL Semivolatiles and Pesticides/PC, PCBS = PCBs(AROCLORS), T-PestHerb = TCLP Pesticide/Herbicide, T_SEMI = TCLP Semivolatiles, T_VOAS = TCLP Volatiles, VOA = CLP TCL Volatiles			

TR Number: 2-232373826-061010-0010

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 40200

DAS No:

R

Region: 2 Project Code: Account Code: CERCLIS ID: NJSFN0204232 Spill ID: PC Site Name/State: Riverside Avenue/NJ Project Leader: Kevin Scott Action: Removal Action Sampling Co: Tetra Tech	Date Shipped: 6/11/2010 Carrier Name: FedEx Airbill: Shipped to: Bonner Analytical Testing Company 2703 Oak Grove Rd Hattiesburg MS 39402 (601) 264-2854	Chain of Custody Record <table border="1"> <tr> <td>Relinquished By</td> <td>(Date / Time)</td> <td>Received By</td> <td>(Date / Time)</td> </tr> <tr> <td>1. KSC</td> <td>6/11/10 1400</td> <td></td> <td></td> </tr> <tr> <td>2.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3.</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4.</td> <td></td> <td></td> <td></td> </tr> </table>	Relinquished By	(Date / Time)	Received By	(Date / Time)	1. KSC	6/11/10 1400			2.				3.				4.				Sampler Signature: <i>[Signature]</i>
Relinquished By	(Date / Time)	Received By	(Date / Time)																				
1. KSC	6/11/10 1400																						
2.																							
3.																							
4.																							

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MB0002	Waste/ Kevin Scott	H/C	T_MET (14), TM/CN (14)	108 (Ice Only), 579 (2)	B12-DS-02	S: 6/8/2010	9:15	B0002	-
MB0005	Waste/ Kevin Scott	H/G	TM/CN (14)	137 (Ice Only) (1)	B12-PM-01	S: 6/8/2010	10:05	B0005	-
MB0006	Waste/ Kevin Scott	H/G	TM/CN (14)	141 (Ice Only) (1)	B12-PM-02	S: 6/8/2010	10:10	B0006	-
MB0007	Oil(High only)/ Kevin Scott	H/G	T_MET (14), TM/CN (14)	145 (Ice Only), 564 (2)	B12-PS-01	S: 6/8/2010	9:20	B0007	-
MB0008	Waste/ Kevin Scott	H/C	T_MET (14), TM/CN (14)	157 (Ice Only), 569 (2)	B12-DS-01	S: 6/8/2010	9:15	B0008	-
MB0009	Sediment/ Kevin Scott	H/G	TM/CN (14)	178 (Ice Only) (1)	B12-SED-01	S: 6/8/2010	9:45	B0009	-
MB0013	Sediment/Sludge/ Kevin Scott	H/G	TM/CN (14)	210 (Ice Only) (1)	B7-SED-02	S: 6/8/2010	11:45	B0013	Dup of B7-SED-03
MB0014	Sediment/Sludge/ Kevin Scott	H/G	TM/CN (14)	214 (Ice Only) (1)	B7-SED-03	S: 6/8/2010	11:50	B0014	Dup of B7-SED-02
MB0015	Sediment/Sludge/ Kevin Scott	H/G	TM/CN (14)	218 (Ice Only) (1)	B7-SED-04	S: 6/8/2010	12:30	B0015	-
MB0017	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	224 (Ice Only), 464 (2)	RAS-B7-TM-05	S: 6/8/2010	13:15	B0017	-

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
T_MET = TCLP Metals, TM/CN = CLP TAL Total Metals and Cyanide			

TR Number: 2-232373826-061010-0012

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USEPA Contract Laboratory Program Inorganic Traffic Report & Chain of Custody Record

Case No: 40200

DAS No:

R

Region: 2	Date Shipped: 6/11/2010	Chain of Custody Record Relinquished By (Date / Time) Received By (Date / Time) 1 <i>[Signature]</i> 6/11/10 1400 2 3 4	Sampler Signature: <i>[Signature]</i>
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill:		
CERCLIS ID: NJSFN0204232	Shipped to: Bonner Analytical Testing Company		
Spill ID: PC	2703 Oak Grove Rd Hattiesburg MS 39402 (601) 264-2854		
Site Name/State: Riverside Avenue/NJ			
Project Leader: Kevin Scott			
Action: Removal Action			
Sampling Co: Tetra Tech			

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MB0018	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	232 (Ice Only), 529 (2)	RAS-B7-TM-09	S: 6/8/2010	13:34	B0018	Dup. of RAS-B7-TM-10
MB0019	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	240 (Ice Only), 469 (2)	RAS-B7-TM-09-2S	S: 6/8/2010	14:30	B0019	-
MB0020	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	248 (Ice Only), 474 (2)	RAS-B7-TM-10	S: 6/8/2010	13:30	B0020	Dup of RAS-B7-TM-09
MB0021	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	256 (Ice Only), 479 (2)	RAS-B7-TM-14A	S: 6/8/2010	9:50	B0021	-
MB0022	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	264 (Ice Only), 484 (2)	RAS-B7-TM-14B	S: 6/8/2010	10:05	B0022	-
MB0023	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	272 (Ice Only), 489 (2)	RAS-B7-TM-17	S: 6/8/2010	12:15	B0023	-
MB0024	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	280 (Ice Only), 494 (2)	RAS-B7-TM-18	S: 6/8/2010	12:30	B0024	-
MB0025	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	288 (Ice Only), 499 (2)	RAS-B7-TM-19	S: 6/8/2010	12:45	B0025	-
MB0029	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	320 (Ice Only), 519 (2)	RAS-B7-TM-53A	S: 6/8/2010	11:00	B0029	-
MB0030	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	328 (Ice Only), 524 (2)	RAS-B7-TM-53B	S: 6/8/2010	11:15	B0030	-
MB0034	Waste/ Kevin Phelan	H/G	T_MET (14), TM/CN (14)	352 (Ice Only), 559 (2)	B7-CS-03	S: 6/9/2010	9:56	B0034	-

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____
T_MET = TCLP Metals, TM/CN = CLP TAL Total Metals and Cyanide			

TR Number: 2-232373826-061010-0012

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F2V5.1.047 Page 2 of 3



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 40200

DAS No:

R

Region: 2	Date Shipped: 6/11/2010	Chain of Custody Record	Sampler Signature: <i>[Signature]</i>
Project Code:	Carrier Name: FedEx		
Account Code:	Airbill:	Relinquished By (Date / Time)	Received By (Date / Time)
CERCLIS ID: NJSFN0204232	Shipped to: Bonner Analytical Testing Company	<i>[Signature]</i> 6/11/10 1400	
Spill ID: PC	2703 Oak Grove Rd	2	
Site Name/State: Riverside Avenue/NJ	Hattiesburg MS 39402	3	
Project Leader: Kevin Scott	(601) 264-2854	4	
Action: Removal Action			
Sampling Co: Tetra Tech			

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MB0035	Waste/ Kevin Phelan	H/G	T_MET (14), TM/CN (14)	360 (Ice Only), 554 (2)	B7-DS-01	S: 6/9/2010	9:40	B0035	--
MB0036	Waste/ Kevin Phelan	H/G	T_MET (14), TM/CN (14)	368 (Ice Only), 539 (2)	B7-PS-02	S: 6/9/2010	10:33	B0036	--
MB0037	Waste/ Kevin Phelan	H/G	T_MET (14), TM/CN (14)	376 (Ice Only), 534 (2)	B7-PS-01	S: 6/9/2010	11:04	B0037	--
MB0040	Waste/ Kevin Phelan	H/G	T_MET (14), TM/CN (14)	398 (Ice Only), 399 (Ice Only), 549 (3)	B7-DS-02	S: 6/9/2010	14:09	B0040	--
MB0041	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	436 (Ice Only), 437 (Ice Only), 585, 586 (4)	Riverbank-1	S: 6/9/2010	14:00	B0041	--
MB0042	Waste/ Kevin Phelan	H/G	T_MET (14), TM/CN (14)	438 (Ice Only), 544 (2)	B7-PS-03	S: 6/9/2010	11:54	B0042	--
MB0043	Waste/ Kevin Phelan	H/G	T_MET (14), TM/CN (14)	448 (Ice Only), 574 (2)	B7-CS-02	S: 6/9/2010	11:27	B0043	--
MB0044	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	591, 595 (2)	B7-P-01	S: 6/9/2010	15:15	B0044	--

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Chain of Custody Seal Number:
Analysis Key: T_MET = TCLP Metals, TM/CN = CLP TAL Total Metals and Cyanide	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TR Number: 2-232373826-061010-0012

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 40200

DAS No:

SDG No:

L

Date Shipped: 6/11/2010 Carrier Name: FedEx Airbill: 8731 0479 8324 Shipped to: Bonner Analytical Testing Company 2703 Oak Grove Rd Hattiesburg MS 39402 (601) 264-2854	Chain of Custody Record		Sampler Signature: <i>[Signature]</i>	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By: <i>[Signature]</i>	(Date / Time): 6/11/10 14:00	Received By: _____		(Date / Time): _____
	2				
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INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MB0002	Waste/ Kevin Scott	H/C	T_MET (14), TM/CN (14)	108 (Ice Only), 579 (2)	B12-DS-02	S: 6/8/2010	9:15	B0002	
MB0005	Waste/ Kevin Scott	H/G	TM/CN (14)	137 (Ice Only) (1)	B12-PM-01	S: 6/8/2010	10:05	B0005	
MB0006	Waste/ Kevin Scott	H/G	TM/CN (14)	141 (Ice Only) (1)	B12-PM-02	S: 6/8/2010	10:10	B0006	
MB0007	Oil(High only)/ Kevin Scott	H/G	T_MET (14), TM/CN (14)	145 (Ice Only), 564 (2)	B12-PS-01	S: 6/8/2010	9:20	B0007	
MB0008	Waste/ Kevin Scott	H/C	T_MET (14), TM/CN (14)	157 (Ice Only), 569 (2)	B12-DS-01	S: 6/8/2010	9:15	B0008	
MB0009	Sediment/ Kevin Scott	H/G	TM/CN (14)	178 (Ice Only) (1)	B12-SED-01	S: 6/8/2010	9:45	B0009	
MB0013	Sediment/Sludge / Kevin Scott	H/G	TM/CN (14)	210 (Ice Only) (1)	B7-SED-02	S: 6/8/2010	11:45	B0013	
MB0014	Sediment/Sludge / Kevin Scott	H/G	TM/CN (14)	214 (Ice Only) (1)	B7-SED-03	S: 6/8/2010	11:50	B0014	
MB0015	Sediment/Sludge / Kevin Scott	H/G	TM/CN (14)	218 (Ice Only) (1)	B7-SED-04	S: 6/8/2010	12:30	B0015	
MB0017	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	224 (Ice Only), 464 (2)	RAS-B7-TM-05	S: 6/8/2010	13:15	B0017	

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? ____	Shipment Iced? ____	
T_MET = TCLP Metals, TM/CN = CLP TAL Total Metals and Cyanide					

TR Number: 2-232373826-061010-0012

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 40200

DAS No:

SDG No:

L

Date Shipped: 6/11/2010 Carrier Name: FedEx Airbill: 8731 0479 8324 Shipped to: Bonner Analytical Testing Company 2703 Oak Grove Rd Hattiesburg MS 39402 (601) 264-2854	Chain of Custody Record		Sampler Signature: <i>[Signature]</i> 6/11	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 <i>[Signature]</i>	6/11/10 1400			
	2				
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INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MB0018	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	232 (Ice Only), 529 (2)	RAS-B7-TM-09	S: 6/8/2010	13:34	B0018	
MB0019	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	240 (Ice Only), 469 (2)	RAS-B7-TM-09-2S	S: 6/8/2010	14:30	B0019	
MB0020	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	248 (Ice Only), 474 (2)	RAS-B7-TM-10	S: 6/8/2010	13:30	B0020	
MB0021	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	256 (Ice Only), 479 (2)	RAS-B7-TM-14A	S: 6/8/2010	9:50	B0021	
MB0022	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	264 (Ice Only), 484 (2)	RAS-B7-TM-14B	S: 6/8/2010	10:05	B0022	
MB0023	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	272 (Ice Only), 489 (2)	RAS-B7-TM-17	S: 6/8/2010	12:15	B0023	
MB0024	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	280 (Ice Only), 494 (2)	RAS-B7-TM-18	S: 6/8/2010	12:30	B0024	
MB0025	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	288 (Ice Only), 499 (2)	RAS-B7-TM-19	S: 6/8/2010	12:45	B0025	
MB0029	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	320 (Ice Only), 519 (2)	RAS-B7-TM-53A	S: 6/8/2010	11:00	B0029	
MB0030	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	328 (Ice Only), 524 (2)	RAS-B7-TM-53B	S: 6/8/2010	11:15	B0030	

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:	
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>	
T_MET = TCLP Metals, TM/CN = CLP TAL Total Metals and Cyanide					

TR Number: 2-232373826-061010-0012

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 40200

DAS No:

SDG No:

L

Date Shipped: 6/11/2010 Carrier Name: FedEx Airbill: 8731 0479 8324 Shipped to: Bonner Analytical Testing Company 2703 Oak Grove Rd Hattiesburg MS 39402 (601) 264-2854	Chain of Custody Record		Sampler Signature: <i>[Signature]</i>	For Lab Use Only Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	<i>[Signature]</i>	6/11/10 1400			
	2				
	3				
4					

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MB0034	Waste/ Kevin Phelan	H/G	T_MET (14), TM/CN (14)	352 (Ice Only), 559 (2)	B7-CS-03	S: 6/9/2010	9:56	B0034	
MB0035	Waste/ Kevin Phelan	H/G	T_MET (14), TM/CN (14)	360 (Ice Only), 554 (2)	B7-DS-01	S: 6/9/2010	9:40	B0035	
MB0036	Waste/ Kevin Phelan	H/G	T_MET (14), TM/CN (14)	368 (Ice Only), 539 (2)	B7-PS-02	S: 6/9/2010	10:33	B0036	
MB0037	Waste/ Kevin Phelan	H/G	T_MET (14), TM/CN (14)	376 (Ice Only), 534 (2)	B7-PS-01	S: 6/9/2010	11:04	B0037	
MB0040	Waste/ Kevin Phelan	H/G	T_MET (14), TM/CN (14)	398 (Ice Only), 399 (Ice Only), 549 (3)	B7-DS-02	S: 6/9/2010	14:09	B0040	
MB0041	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	436 (Ice Only), 437 (Ice Only), 585, 586 (4)	Riverbank-1	S: 6/9/2010	14:00	B0041	
MB0042	Waste/ Kevin Phelan	H/G	T_MET (14), TM/CN (14)	438 (Ice Only), 544 (2)	B7-PS-03	S: 6/9/2010	11:54	B0042	
MB0043	Waste/ Kevin Phelan	H/G	T_MET (14), TM/CN (14)	448 (Ice Only), 574 (2)	B7-CS-02	S: 6/9/2010	11:27	B0043	
MB0044	Waste/ Chris Burns	H/G	T_MET (14), TM/CN (14)	591, 595 (2)	B7-P-01	S: 6/9/2010	15:15	B0044	

Shipment for Case Complete? <input type="checkbox"/>	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>
T_MET = TCLP Metals, TM/CN = CLP TAL Total Metals and Cyanide				

TR Number: 2-232373826-061010-0012

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY



EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

073104798200 (Airbill #)

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company: <u>TetraTech EMI</u>		EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: <u>7 Creek Parkway Suite 200</u>		Third Party Billing requires written authorization from third party	
City: <u>Bethwyn</u>	State/Province: <u>PA</u>	Zip/Postal Code: <u>19601</u>	Country:
Report To (Name): <u>Chris Burns</u>		Fax #:	
Telephone #: <u>267-446-2447 / 570412 1280</u>		Email Address: <u>Chris.burns@TetraTech.com</u>	
Project Name/Number: <u>1030x9004L100178</u>			
Please Provide Results: <input type="checkbox"/> Fax <input type="checkbox"/> Email <input type="checkbox"/> Purchase Order:		U.S. State Samples Taken: <u>NJ</u>	
Turnaround Time (TAT) Options* - Please Check <u>21 Days</u>			
<input type="checkbox"/> 3 Hours <input type="checkbox"/> 6 Hours <input type="checkbox"/> 24 Hrs <input type="checkbox"/> 48 Hrs <input type="checkbox"/> 3 Days <input type="checkbox"/> 4 Days <input type="checkbox"/> 5 Days <input type="checkbox"/> 10 Days			
*For TEM Air 3 hours/6 hours, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.			
PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA PLM - Bulk (reporting limit) <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) <input type="checkbox"/> NYS 198.1 (friable in NY) <input type="checkbox"/> NYS 198.6 NOB (non-friable-NY) <input type="checkbox"/> NIOSH 9002 (<1%)		TEM - Air <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Bulk <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> NYS NOB 198.4 (non-friable-NY) <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM Mass Analysis-EPA 600 sec. 2.5 TEM - Water: EPA 100.2 Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
		TEM- Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) Soil/Rock/Vermiculite <input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity) <input type="checkbox"/> PLM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - B (0.1% sensitivity) <input type="checkbox"/> TEM CARB 435 - C (0.01% sensitivity) <input type="checkbox"/> EPA Protocol (Semi-Quantitative) <input type="checkbox"/> EPA Protocol (Quantitative) Other: <input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group			
Samplers Name:		Samplers Signature:	
Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
RSA-BK-001	10" Pipe wrap, 1st Flr, Bld <u>TZ</u> , horizontal Pipe		6/9/10 930
RSA-BK-002	6" Pipe wrap, 1st Flr, Bld <u>TZ</u> , horizontal Pipe		6/9/10 945
RSA-BK-003	6" Pipe wrap, 1st Flr, Bld <u>TZ</u> , horizontal Pipe (under machinery)		6/9/10 955
RSA-BK-004	6" Pipe wrap, 2nd Flr, Bld <u>TZ</u> , horizontal Pipe (North)		6/9/10 1015
RSA-BK-005	6" Pipe wrap, 2nd Flr, Bld <u>TZ</u> , horizontal Pipe (South)		6/9/10 1030
RSA-BK-006	10" Pipe wrap, 3rd Flr, Bld <u>TZ</u> , horizontal Pipe (North)		6/9/10 1050
RSA-BK-007	6" Pipe wrap, 3rd Flr, Bld <u>TZ</u> , horizontal Pipe (South)		6/9/10 1050
RSA-BK-008	6" Pipe wrap, 3rd Flr, Bld <u>TZ</u> , Vertical Pipe (North, near door)		6/9/10 1055
Client Sample # (s):		Total # of Samples: <u>12</u>	
Relinquished (Client): <u>Chris Burns</u>		Date: <u>6/14/10</u>	Time: <u>1200</u>
Received (Lab): <u>C LaCerra</u> <i>EMSL</i>		Date: <u>6/16/10</u>	Time: <u>0900</u>
Comments/Special Instructions: <u>Cooler delivered to incorrect location on 6/15/10. CJ</u>			



EMSL ANALYTICAL, INC.
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Asbestos Chain of Custody

EMSL Order Number (Lab Use Only):

873104298200 (Airbill #)

EMSL ANALYTICAL, INC.
107 HADDON AVENUE
WESTMONT, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
RSA-BK-009	6" Pipe, Bld. 7, 3rd Flr, Vertical Pipe, (North Back wall)		6/9/10 1100
RSA-BK-010	18" Pipe wrap, Bld. 12 Basement, horizontal Pipe		6/9/10 1120
RSA-BK-011	Weathered Pipe wrap on Ground outside Bld. 7 South		6/8/10 1430
RSA-BK-012	6" pipewrap, Bld. 7, outside Pipe, horizontal (South)		6/8/10 1440
*Comments/Special Instructions:			